The
CHEMIST AND DRUGGIST
RETAILER – WHOLESALER – MANUFACTURER

FEBRUARY 5, 1949

BE READY FOR WINTER SALES

ORDER NOW!

RETAIL PRICE 1/9d Including Tax

ALLEN & HANBURYS LTD • LONDON • E2
PHONE: BISHOPSGATE 3201 (17 LINES). WIRES: GREENBURYS, BETH, LONDON.

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BENADRYL

anti-allergic and antispasmodic

P.A.T.A.
C.F.

CAPSULES
For routine administration. 50 mgm. and 25 mgm.: in bottles of 50 and 500.

ELIXIR
A palatable preparation for children, containing 10 mgm. 'Benadryl' in each teaspoonful. In 4 and 16 fl. oz. bottles.

PARENTERAL
For rapid response in acute allergic conditions. Contains 10 mgm. per c.c. In rubber-capped 10 c.c. vials.

CREAM
For local application in allergic skin affections. In 1 oz. collapsible tubes and 16 oz. jars.

a new preparation

'BENYLIN' Expectorant is a palatably raspberry-flavoured syrup containing 'Benadryl,' ammonium chloride, sodium citrate, chloroform and menthol. It is indicated in the treatment of coughs and other congestive symptoms associated with the "common cold." Its pleasant flavour makes it acceptable to children.

Minimum Retail Prices: (Including P.T.)

Bottle of	4 fl. ozs.	3/8
,, ,,	16 fl. ozs.	11/7½

PARKE, DAVIS & COMPANY
HOUNSLOW, MIDDLESEX
Inc. U.S.A., Liability Ltd.

It's advertised as a Chemists line!

Elasto

REGISTERED

The Biochemic Tablet

Sales Aids Free On Request!

ELASTO advertising is widespread and consistent. An ever increasing demand for this product is being created at your very door. Are you taking full advantage of this opportunity for new business created in your area by this vigorous campaign? 'Elasto' sales-aids displayed in your window or on your counter will convert the 'prospect' we have created into a customer for you. And remember repeats and recommendations come freely from initial sales of 'Elasto'

ONE SHILLING and SIXPENCE PROFIT ON EVERY SALE!

RETAIL (Including Tax)	R.A.T.A.	WHOLESALE (Including Tax)
5/6 per bottle (one month's supply)		48/- per dozen
2/- five bottles (Including one free)		192/- per dozen

PLEASE NOTE. 22/- Pack (One Bottle Free) Again Available

SHOW Elasto — IT SELLS ON SIGHT!

NEW ERA TREATMENT CO. LTD., CECIL HOUSE, HOLBORN VIADUCT, LONDON

PILL BOXES

SCARLET
(G.P.O.)
WHITE
(P.I.)
PURPLE
W.E.(P.I.)

PURPLE
FLANGED

"LITTLE JOHN" DRUMS

CRYSTALS, POWDERS, TABLETS

OINTMENT BOXES

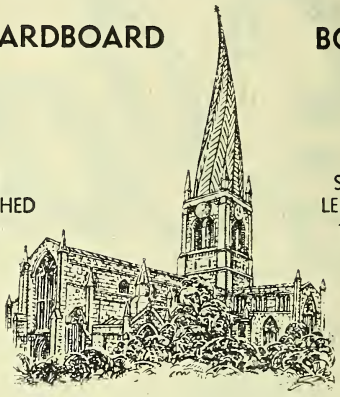
CHEPETTE
GREASEPROOF

SEALITE
WAX IMPREGNATED

ROBINSONS' OF CHESTERFIELD

For CARDBOARD BOXES

FIRST ESTABLISHED 1839



STILL LEADING 1949

FOR OVER A CENTURY

STOCK ROUND BOXES FOR THE CHEMIST

HAVE BEEN MANUFACTURED BY

ROBINSONS' OF CHESTERFIELD

All boxes in these categories are now **back to pre-war standards.**

The quality being improved by modern methods of manufacture.

Specifications and standards are in accordance with—

N.H.S. and B.S.I. Specifications.

Supplies are **Unrationed** and your full order can be met through your usual source.

TELEGRAMS: "BOXES, CHESTERFIELD."

ROBINSON & SONS, LTD.,
Wheat Bridge Mills,
CHESTERFIELD.

TELEPHONE: 2105 (6 LINES.)

LONDON OFFICE: KING'S BOURNE HOUSE, 229-231, HIGH HOLBORN, W.C.1.
TELEPHONE: HOL. 6383.

SERIES A.2.

Profits for you

THIS winter our National Press Advertising stresses to millions of potential customers the importance of resisting colds and influenza by taking regularly CROOKES HALIBUT OIL AND CAPSULES.

All you need do is to be ready to cash in on the bigger than ever demand for our famous product which gives you a *profit* of *nearly* 40% if bought on bonus terms.

CROOKES HALIBUT OIL

CROOKES HALIBUT OIL

STANDARD BONUS PARCELS

PARCEL E	**39 x 25 Capsules @ 2/6 Retail**	
	Total retail value	£4 17 6
	Cost of parcel ...	£3 0 9
PARCEL G	**13 x 15 c.c. Drops @ 5 - Retail**	
	Total retail value	£3 5 0
	Cost of parcel ...	£2 0 6
PARCEL H	**39 x 5 c.c. Drops @ 2/- Retail**	
	Total retail value	£3 18 0
	Cost of parcel ...	£2 8 7
PARCEL J	**13 x 30 c.c. Drops @ 9/- Retail**	
	Total retail value	£5 17 0
	Cost of parcel ...	£3 12 11
PARCEL L	**13 x 100 Capsules @ 8/6 Retail**	
	Total retail value	£5 10 6
	Cost of parcel ...	£3 8 10
PARCEL M	**39 x 100 Capsules @ 8/6 Retail**	
	Total retail value	£16 11 6
	Cost of parcel ...	£10 6 6
PARCEL P	**13 x 15 c.c. Infants Emulsion @ 3/6 Retail**	
	Total retail value	£2 5 6
	Cost of parcel ...	£1 8 4

R CROOKES LABORATORIES LIMITED · PARK ROYAL · LONDON · N.W.

Almond Oil B.

COLD PRESSED

from

SWEET ALMONDS

equal in every way to
our pre-war quality

Samples and prices on request

WHIFFENS

Manufacturers of Fine Chemicals for nearly a centu

WHIFFEN & SONS LTD (British Chemicals & Biologicals Lt
Fulham · London · SW6 · *Tel:* Renown 3416 · *Grams:* Whiffen Londo

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ERE'LL BE FEWER COLDS THIS WINTER . . .

. . . . if more of your customers use 'Benzedrine' Inhaler. Its timely application will often cut short a cold entirely, but even in the acute stages it affords welcome relief by keeping the nasal passages free from congestion.

For fifteen years doctors have prescribed 'Benzedrine' Inhaler for relieving congestion in head colds, nasal catarrh, sinusitis, etc. Its popularity is an indication of its efficacy.

Retail Price 2/6 including Purchase Tax.
Trade Price 18/- per dozen plus 6/- Purchase Tax.

'BENZEDRINE' INHALER

ENLEY & JAMES LIMITED
23 Coldharbour Lane, London, S.E.5
For Smith, Kline & French Int. Co.

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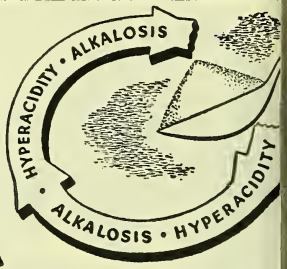
The vicious circle...

Gastric ulceration requires a buffer *NOT* a drastic Alkali...



'NEUTRALON' BELLADONNA

breaks the circ

The older drastic alkalis, by causing excessive alkalinity, promote a reflex secretion of excess acid. To break this "vicious circle" a buffering agent must be used. 'Neutralon' (Sodium alumin Silicate) is neutral but antacid. It is mildly astringent and provides soothing protec coating of the mucosa making it perfectly safe and effective.

In modern times, 'Neutralon Belladonna' is often indicated to allay the pai vagotonic manifestations commonly associated with digestive disorders.

INDICATIONS
Hyperacidity
Hypersecretion
Duodenal Ulcer
Dyspeptic Conditions etc.

PACKS
Boxes of 100 grammes
(approx. 3½ oz.)
Retails at 3/6d.
P.T. 10½d.

British Schering LIMITED

167/169 GREAT PORTLAND STREET, LONDON,

The Brand Name

Ucal

DENOTES MANUFACTURE BY

THE UNITED CHEMISTS ASSOCIATION LTD

CHELTENHAM

and

Implies their Guarantee

IODISED THROAT LOZENGES

10½d. per box,
5/- per dozen plus tax.
Tins 1/6,
9/- per dozen plus tax.

THIS IS A GUARANTEED PRODUCT
SOLD *Only* THROUGH **Ucal** CHEMISTS

AYRTON'S

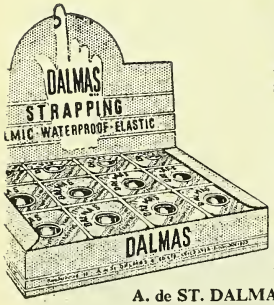
SPEED AND CERTAINTY
are necessary where Penicillin and
its Preparations are concerned

ALL SUPPLIES ARE POST-PAID
SAME DAY AS ORDER RECEIVED

PENICILLIN

DALMAS OF LEICESTER ANNOUNCE

a new waterproof adhesive strapping



HERE IS DALMAS STRAPPING, a new *waterproof* plastic adhesive supersedes old-type strip-plasters!

Like our well-known First-Aid Dressing, Dalmas Strapping 100% protection against water, dirt, grease, acid. In particular ideal for places where a bandage would be awkward. Becau stretches *all* ways, edges stick tight while allowing freest move of joints and muscles.

Dalmas Strapping is skin-coloured, hardly shows. Supplie attractive sell-outs containing twelve 1/- spools, each one inch b yard. Price 8/-. Special quantity discounts. PLACE YOUR ORDER N

A. de ST. DALMAS & CO. LIMITED, LEICESTER. (Phone: Leicester 65261).
London Depot: 140-142 St. John St., E.C.1 (Clerkenwell 3399).
Leeds Depot: 14 Neville St. (Leeds 29764).
Scottish Agents: Robert Telford, 29 Waterloo St., Glasgow, C.2, (Phone: Central 2716).

l new lower strength tablet of

'ESTIGYN'

THINYL ŒSTRADIOL B.D.H.

Now available in 0.01 mg. size

tigyn', in addition to its qualities of high potency and convenience for administration, has the following outstanding properties :—

1 *Being a derivative of the natural œstrogen, it is non-toxic.*

2 *It produces a sense of well-being.*

3 *It has a marked pituitary-inhibiting action and is therefore of special value in menopausal symptoms and inhibition of lactation.*

PRICES

Tablets of 0.01 mg.	**Trade**	**Retail**
Bottles of 25 tablets	1/10	2/9
Bottles of 100 tablets	6/6	9/9
Bottles of 500 tablets	29/-	43/6
Tablets of 0.05 mg.		
Bottles of 25 tablets	2/8	4/-
Bottles of 100 tablets	9/8	14/6
Bottles of 500 tablets	43/6	65/3

(Each 0.05 mg. tablet is scored for convenience in giving doses of 0.025 mg.)

IE BRITISH DRUG HOUSES LTD. LONDON, N.1

Egyn/T/2

THE COOPER LABORATORY · GL

ESTABLISHED 1904

Specialists in the manufacture of Tablets and Pills

40 years of Specialised Manufacturing Experience assure you of

QUALITY and ACCURAC

PACKED TABLETS, with Chemist's Own N Labels if desired, supplied in 2 sizes 25's 100's (with a few exceptions packed in only).

BULK TABLETS, including NF and NWF supplied in convenient quantities from upwards.

SACCHARIN TABLETS in pkts. of 100 or in

The Cooper Laborato

Telephone: 8612 Watford Telegrams: "Science"

Dimples Trade Mark —A Good Line for Baby and a Good Line for the Chemist

Are you getting the benefit of these new 1949 prices for Dimples Feeding Bottles?

		One doz.	Three doz.	Six doz.	
Double-ended	8 oz.	9/-	8/9	8/6	per doz.
No 1. Upright	8 oz.	8/-	7/9	7/6	,, ,,
Double-ended	4 oz.	7/6	7/3	7/-	,, ,,
No. 1. Upright	4 oz.	7/6	7/3	7/-	,, ,,

A GOOD BOTTLE · A GOOD PACK · A GOOD PRI

Dimples feeders supplied with Anti-Colic Teat, are packed in attractive buff cartons. Transparent tissue wrapping prevents soiling in stock or on display.

Dimples Anti-Colic Teats, in buff cartons (one dozen in display outer). Price 2/- per dozen, 21/- per gross.

Dimples Feeders and Teats are supplied to chemists only.

MACDONALD & SON LTD HOPE MILLS, POLLARD STREET, MANCHESTE

Meritor adopt powerful new sales appeal

Harley Street Dental advice free

This valuable advice will help you to stop bleeding gums and preserve your teeth and health. It is contained in a leaflet packed with the latest Meritor Shorthead Toothbrush. In the routine it describes, which is advised and used personally by the world's leading dentists, the Meritor plays a vital part—because, with its springy tufts and short head, it cleans *between* the teeth as well as back and front.

Prices: Nylon 1/7½—Bristle 2/3

meritor SHORTHEAD

keeps teeth and gums healthy

The Harley Street way to dental hygiene

Everyone knows Harley Street as the world-famous centre for medical and surgical specialists, but not all are aware that it is also the headquarters of our pre-eminent Dental Surgeons. The information given in this leaflet is based on the advice given and practised by leading Harley Street Dental Specialists and its efficacy has been proved times without number

Future Meritor advertising in the National Press will offer this important new selling feature and the reproduction shown above is the first of a series.

Free Harley Street advice is something your customers will not want to miss and the valuable authoritative information contained in the leaflet is bound to build up your goodwill as well as your Meritor Sales.

Note that the leaflet is enclosed ***only*** with the ***Shorthead*** Meritor—the ideal brush approved by eminent dental specialists.

Study the leaflet yourself and you will supply the extra demand for Meritor brushes—confident that you are helping to give your customers real service as well as a fine product.

Build up Stocks now!

. MAW, SON & SONS, LTD., ALDERSGATE HOUSE, BARNET, HERTS

Now available

NEW, IMPROVED ARRI

—the only cream deodorant which also stops perspiration

over 8d. profit for you on every jar you sell! Retail price 2/5 including purchase tax

WOMEN are clamouring in the shops Arrid—the world's biggest-selling cre deodorant which also stops perspiration. Adv tising is being increased, and with a str national campaign running, the demand will something terrific!

Arrid sells on sight, and you make over on every jar. Easy, quick profits, and satis customers who'll come in for other goods! Yo be well advised to stock up without delay.

ORDER ARRID NOW!

Details of special terms for ARRID, Carter's Little Liver Pills, and other products from THOMAS MARNS LTD., 2 CAXTON STREET, LONDON, S.W.1

Selling the truth

THE Medical profession is giving yeast its true status as an essential source of Vitamin B and proteins—as a *food* and not a mere pick-me-up. Yestamin advertising helps to spread this truth and the nation-wide sales of Yestamin show that daily yeast is recognised as an important contribution to the health value of a restricted national diet.

In Bottles	*to retail at*	*Trade Prices*
100 TABLETS	1/6	12/3 PER DOZ.
300 TABLETS	4/-	33/- PER DOZ.

Less 5% Cash in 14 days

Vitamin B.1 ..... 2.10 *mgms. per oz.*
Riboflavin (B.2) ..... 1.45 *mgms. per oz.*
Niacin ..... 9.50 *mgms. per oz.*

Yestamin DAILY YEAST

THE ENGLISH GRAINS CO. LTD. BURTON-ON-TRENT

BARGAINS from BATH

MAW'S MERITOR BEAUTIBATH

EYE-BATHS

White Plastic Brand New. Send stamps value 10d for specimen eye-bath and our five sheet list o Photograph c Bargain lines

Quantity Prices for Eye-Baths:- 12 *for* 6/6 24 *fo* 12/6 50 *for* 22/6 144 *for* 48/- *or* £12 - 10 - per 1,000. All carriage paid, or C.O.D. Fee extr

CYRIL HOWE'S *of BATH*

GLYCERYL MONOSTEARATE

Guaranteed Food and Drugs Quality

REGULAR SUPPLIES AVAILABL

Samples and quotations upon reques

The Faylene Manufacturing Compan
15 Queens Court, Lower Briggate, Leeds
Telephone 22594

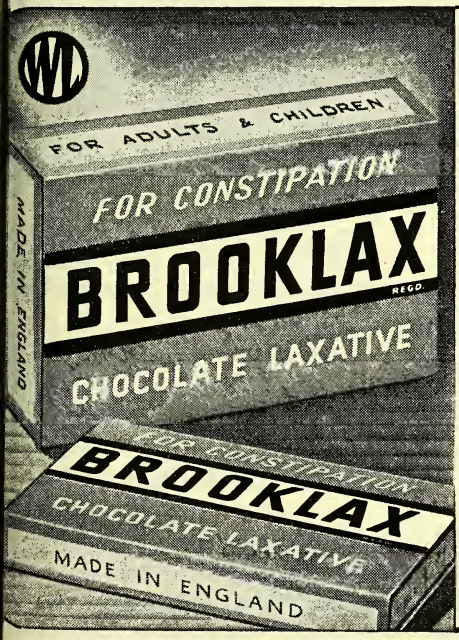
Richard Daniel & Son LTD

PROPRIETARIES
SUNDRIES DRUGS
TABLETS & PILLS

FOR CHEMISTS

Manufacturing Chemists

d Office & Works Mansfield Road Derby Telephone 4266 (3 lines) Branch Warehouse Grosvenor St. Ashton-under-Lyne Telephone 2816 (2 lines)



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why you should display and recommend
BROOKLAX

1 BROOKLAX satisfies the highest pharmaceutical standards.
2 BROOKLAX commands wide sales both at home and in 65 markets the world over.
3 BROOKLAX is 100% British.
4 BROOKLAX is 100% C.F.
5 BROOKLAX brings you both PRESTIGE and PROfIT.

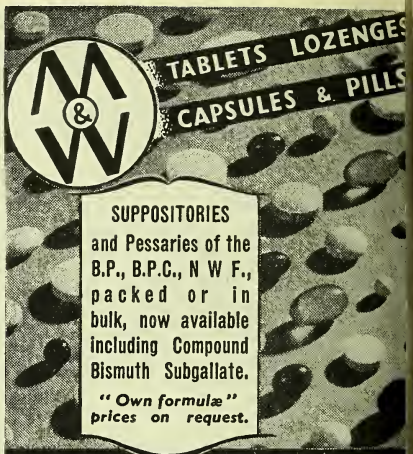
A Product of
WESTMINSTER LABORATORIES LTD.
Chalcot Road, London, N.W.1
Telephone: PRImrose 3395/6/7
P.A.T.A.

SAMARITAN *Ointments*

Available in a wide range of titles including several exclusive prescriptions and the ever-popular ZINC & CASTOR OIL CREAM.

Prices and Samples on application

THORNTON & ROSS LIMITED
Manufacturing Chemists
LINTHWAITE · HUDDERSFIELD



MATTHEWS & WILSON LTD
Established 1894
6-8, COLE ST. LONDON, S.E.
Proprietors of "SUDEX" Senna Pods
Telegrams: PILLEOLUM, SEDIST, LONDON. *Telephone:* HOP 2147

NIGROIDS

for throat and voice are now available in any quantity from your Wholesaler or direct. Advertising has been issued to the Press and should create a greater public demand.

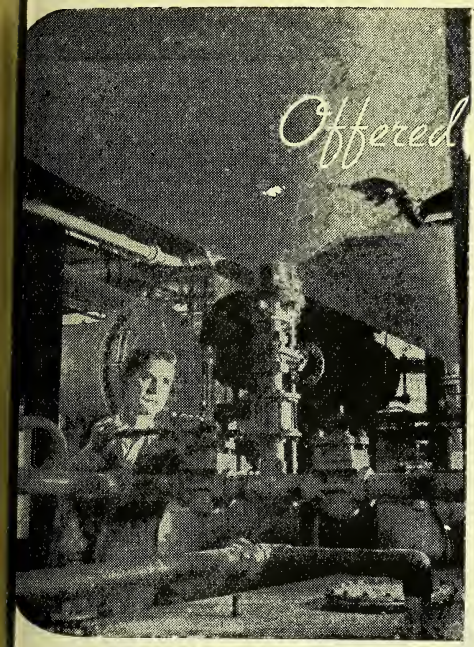
Prepared in the laboratories of
FERRIS & CO., Ltd., BRISTOL

"*Silktona*"

HOME
PERMANENT WAVE
(*Guaranteed*)

Price to the Public 3/9 including Tax | Order now from your usual Wholesalers

Sole Distributors:
ALFRED FRANKS & BARTLETT CO. LTD.
Audrey House · Ely Place · London, E.C.1



Offered by GLAXO

CHOLESTEROL
CALCIFEROL
VITAMIN D_3

Supplies of refined and semi-refined cholesterol; calciferol B.P. (pure crystalline vitamin D_2); and vitamin D_3 are available for bulk purchase.

Details and quotations from
BULK SALES DEPARTMENT
GLAXO LABORATORIES LTD.
GREENFORD, MIDDX. BYRon 3434

BRITISH MADE **AMPOULE FILES**
are now available
We are now in a position to manufacture large quantities of Ampoule Files and invite inquiries
DOMINION STEEL CORPORATION LTD.
"FLEET" WORKS
QUEEN'S ROAD, SHEFFIELD, 2

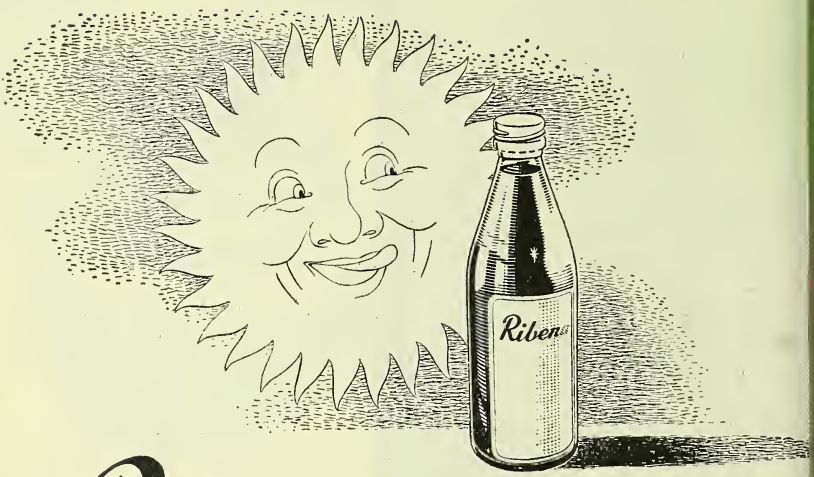
THE NATIONAL ASSOCIATION OF OPTICIANS
The next Examination for the Fellowship and Honours Diplomas will be held at Edinburgh on 9th, 10th, 11 h, 12th and 13th May, 1949. The last date of entry is Monday, 11th April.
Syllabus, Entrance Forms, etc., from:—
Secretary, N.A.O., 130 Princes Road, Liverpool, 8

DRUGS, GALENICALS, PROPRIETARIES
Makers of Vitasac
R. SUMNER & CO. LTD.
HANOVER STREET LIVERPOOL, 1
SV 124

MILLAMALT
ole Manufacturers: JEFFREYS, MILLER & CO. LTD (A6500 I.U., D400 I.U. PER FL. OZ.)
eyland Mills, Wigan. *London Dept.* 19 Brookside Rd. N

Malt Extract with added Natural Vitamins

STANDARD SACCHARIN TABLETS
. . . a limited quantity available in regular amounts
THE DALES ASPIRIN & TABLETING CO.
STEETON, Near Keighley, Yorks.



Ribena has earned its place in the sun, *BUT*...

Strong sunlight and varying temperatures can affect natural vitamin C. We, therefore, ask chemists not to display actual bottles of Ribena Blackcurrant Syrup in the window.

Such a display might also suggest that Ribena is now in free supply. This would embarrass you in refusing sales to those outside the priority groups who want Ribena merely as a pleasant drink. As you know, Ribena is still restricted to children, expectant and nursing mothers and special classes on prescription.

We are confident of your co-operation in this measure to ensure that the high standard and reputation of Ribena are maintained.

A cut-out showcard is available for window display. Our representative will bring one next time he calls.

RIBENA BLACKCURRANT SYRUP

Ribena is the pure undiluted juice of fresh ripe blackcurrants with sugar, in the form of a delicious syrup. Being freed from all cellular structure of the fruit, it will not upset the most delicate stomach. It is particularly rich in **natural** vitamin C (not less than 20 mgm. per fluid ounce) and associated factors.

H. W. CARTER & CO. LTD., THE ROYAL FOREST FACTORY, COLEFORD, GLOS.

6

Property of the
NATIONAL TRUST

BOURNE MILL COLCHESTER ESSEX.
A striking building with elaborately stepped and carved gables in the Dutch manner. Built in 1590.

Potter & Clarke Ltd.
DRUG MERCHANTS & MANUFACTURING CHEMISTS
London & Manchester

The Sales Department of

MONSANTO CHEMICALS LIMITED

take undisguised pleasure in announcing to their friends in the

Fine Chemicals Trade

that after many years of inevitable restrictions they are again able to offer in easier supply their unequalled range of

Salicylates

R.S.V.P. Victoria Station House, Victoria St., London S.W.1.

ASPIRGRAN

ACETYL SALICYLIC ACID B.P

SALICYLIC ACID B.P.

SODIUM SALICYLATE

METHYL SALICYLATE

'KEPLER' SALES MEAN BIGGER PROFITS!

IT'S BETTER BUSINESS TO KEEP 'KEPLER' TO THE FORE!

PRIL

ARCH

BRUARY

NUARY

CEMBER

VEMBER

CTOBER

PTEMBER

The biggest advertising campaign ever produced for 'KEPLER' is under way, making the whole country 'KEPLER' conscious. Everyone—young and old—needs 'KEPLER' to combat the rigours of Winter. Remember, there is a substantial profit to you on every jar of 'KEPLER' you sell. Boost your sales by an attractive window display featuring the Showcards and Crowner Cards designed especially for *you*. Ample supplies of 'KEPLER' are at present available so stock up at once.

'KEPLER' BRAND
COD LIVER OIL WITH MALT EXTRACT

MORE GOODNESS TO THE SPOONFUL

BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.)
183-193 Euston Road, London, N.W.1 *Telephone: Euston 4477*

CH

Dispense

M&B

pharmaceutical chemicals

Over 350 M&B Pharmaceutical Chemicals are now available from wholesale distributors throughout the country.

M&B *for* BROMIDES
including

AMMONIUM BROMIDE B.P.C.

POTASSIUM BROMIDE B.P. CRYST.

SODIUM BROMIDE B.P.

MAY & BAKER LTD. DAGENHAM

'phone ILFord 3060 Ext: 40

A WINTER WINNER

And an all-year-round seller too

For Chapped Hands

HERE'S a line to keep your till merrily tink-ng. A line for every oman customer who oes her own washing up. line which is low ough in price to suit ery purse. A line which peats and repeats and peats. And a line which ows you excellent profit. end for a trial dozen oday.

OUGH HOSEASON & OMPANY LIMITED TLAS LABORATORIES ANCHESTER 19

A "HOUGH HOSEASON PRODUCT

MENTHOL TURIOPIN OIL

INHALATION THERAPY

3 MAIN INDICATIONS FOR ITS USE

BRONCHITIS	Alleviates irritating coughs and by liquifying phlegm facilitates and lessens expectoration.
CONGESTIVE CATARRHS	Relieves catarrhs at the seat of the trouble; contracts the capillary blood-vessels checking discharge.
HAY FEVER	Rapid relief is obtained, sneezing arrested and pain and fullness of the head quickly reduced.

NOTE : MENTHOL TURIOPIN OIL furnishes an excellent supplementary treatment to the RIDDOBRON Therapy for Asthma and Allied complaints.

RIDDELL PRODUCTS LIMITED

AXTELL HOUSE · WARWICK STREET · LONDON · W.1

Telephone : GERrard 3754

NOW NATIONALLY ADVERTISED

For years there has been a big demand for this old-established, well-known remedy. Now that we have embarked on advertising in National and Women's publications the demand will be greater than ever. Supplies are a little easier so be sure you get your share.

O. SCRUTON & CO. LTD.
BARKER LANE, YORK

DIUROMIL

(5/7½d. including tax)

a palatable effervescent granular preparation for the treatment of rheumatic complaints and urinary tract infections

P.A.T.A.

RALGEX

(4/4½d. including tax)

analgesic and rubefacient, a stick of solid embrocation giving rapid relief in painful rheumatic muscular and neuralgic conditions

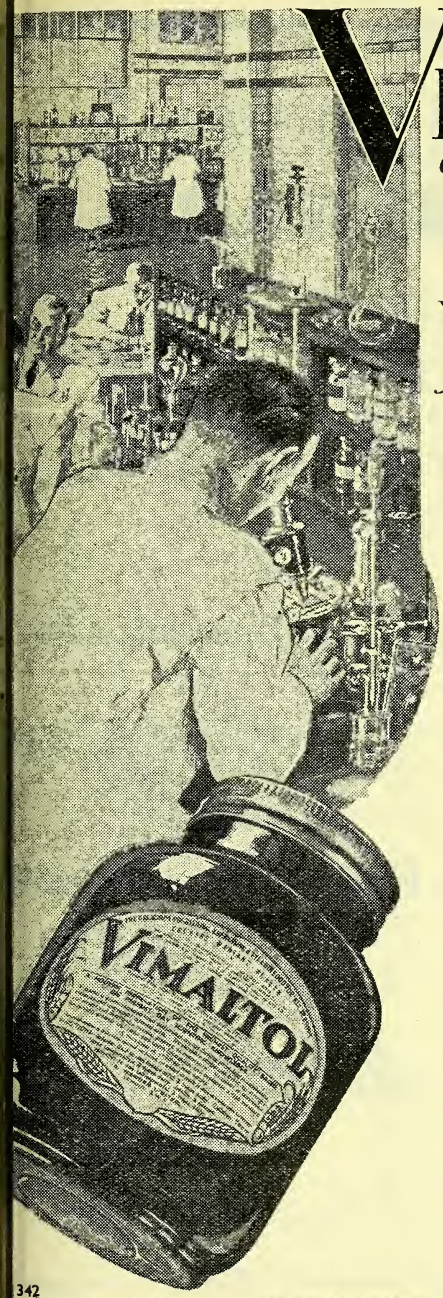
The demand for these preparations is created by MEDICAL RECOMMENDATION. YOU TOO can recommend them with confidence

Stocked by all leading wholesalers

PHARMAX LIMITED

THE ORGAN WORKS

OLD HILL CHISLEHURST KENT



VIMALTOL

The Delicious, Nourishing, Energising,

VITAMIN FOOD

A Product of the Ovaltine Research Laboratories

BECAUSE it incorporates important vitamins in a form entirely pleasant and acceptable to every patient, 'Vimaltol' presents special advantages to the physician.

'Vimaltol' is made from specially prepared malt extract of high protein content, yeast—one of the richest sources of vitamin B—and Halibut Liver Oil, an important source of vitamins A and D. It is also fortified with additional vitamins and mineral salts, and is deliciously flavoured with orange juice.

'Vimaltol' is thus an important aid in the treatment of the many abnormal conditions resulting from the deficiency of one or more of the essential vitamins in the average everyday dietary.

The routine use of 'Vimaltol' assists normal development of the growing organism and the maintenance of correct metabolism, while raising the general resistance against infection.

'Vimaltol' has thus a very wide application in general practice for children and adults of all ages. It can be recommended with advantage at all seasons.

On the PATA

Wholesale Prices :

1 lb. jars **27/-**; 2 lb. jars **49/6:**
(*Exempt from Purchase Tax.*)

Retail Prices : 1 lb. jars **3/-**; 2 lb. jars **5/6.**

A. WANDER LTD.
42 Upper Grosvenor Street, Grosvenor Square, London, W.1

342

FOR INFECTIOUS SORE THROAT

FORMALGAR

TRADE MARK

Formaldehyde *Pyrethrum* *Chloroxylenol* *Phenol* *Glycerin* *Spirit*
2 oz. *4 oz.* *8 oz.* *20 oz.* *90 oz.*

Literature from

C. J. HEWLETT & SON, LTD.
35-43 CHARLOTTE ROAD, LONDON, E.C.2
also at 48 Carstairs Street, Glasgow, S.E.

Φ (JF6

Eau de Cologne and Beauty Aids

MADE IN ENGLAND

all you want—NOW!

R. J. REUTER COMPANY LTD.
SLOUGH

P.A.T.A

«WB»

ADAPRIN

TABLETS

for the treatment and prevention of

CHILBLAINS

A new «WB» product recently introduced to meet a widespread need, ADAPRIN tablets contain the Vitamin K analogue (Acetomenaphthone 10 mgm.) and Vitamin PP (Nicotinamide 50 mgm.) in proportions suitable for the effective treatment and prevention of Chilblains.

Three to four tablets daily provide relief in most cases within a short period.

The ADAPRIN Display Pack is an unique sales unit complete with literature for the interest of your customers.

Attractive Showcards are also available for Window and Counter display.

Available in units of 12 tubes of 25 tablets. Retail price 2/6 per tube
(Subject to usual discounts)

WARD, BLENKINSOP & CO. LTD.
6 HENRIETTA PLACE, LONDON, W.1
Telephone: LANGHAM 3185 Telegrams: DUOCHEM, WESDO, LONDON

Remember to keep

SILBE

BRAND

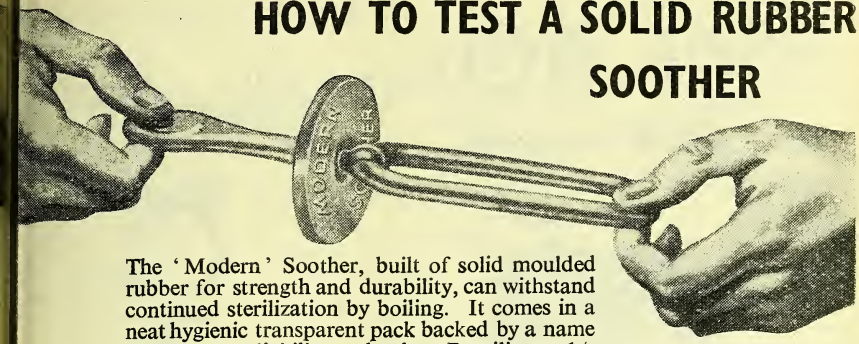
ASTHMA TABLETS

in stock and avoid disappointing your customers. Attractive Display Cartons. **Backed by National Advertising in over 100 Daily, Sunday and Weekly Journals.**

ORDER FROM YOUR WHOLESALER TO-DAY!

SILTEN LTD., SILTEN HOUSE, HATFIELD HERTS

HOW TO TEST A SOLID RUBBER SOOTHER



The 'Modern' Soother, built of solid moulded rubber for strength and durability, can withstand continued sterilization by boiling. It comes in a neat hygienic transparent pack backed by a name that means reliability and value. Retailing at 1/- each, The 'Modern' Soother is supplied in attractive display outers containing 2 dozen soothers. 7/10 dozen. (Through your regular wholesaler).

The "MODERN" SOOTHER

A CANNON RUBBER PRODUCT

Built to be boiled

THE CANNON RUBBER MANUFACTURERS LTD, LONDON N.17

Immortelle

Essential Oils

Almond . Aniseed . Bay
Cassia . Cedarwood . Clove
Eucalyptus . 70/75 and 80/85
Geranium . Juniperberry
Lavender . Lavender Spike
Lemon . Lemongrass
Orange . Origanum
Pennyroyal . Peppermint
Rosemary . Sassafras . Thyme

Trade Inquiries Invited

"IMMORTELLE"
PERFUME COMPOUNDS

LODGE, ROBIN, LIMITED
Laleham-on-Thames, Middlesex
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SPOT or FORWARD DELIVERY

LICORICE
GENTIAN
CHAMOMILE
CAROB JUICE

A. ELDER REED & CO. LTD
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Telephone: BAT 6652/4

TAMPAX 40's *are back again!*

*for both absorbency sizes **

Plus- this new, special feature . . .

neat handbag container included in every Tampax 40

The re-introduction of popular Tampax 40's is good news—both for you and for your customers. To you, Tampax 40's mean an all-at-once sale equal to 4 single packets. To your customer they mean welcome economy and convenience. Stock them side by side with the usual packets-of-ten.

There's a wide range of Tampax display units for every purpose. Send details of your requirements.

* *Regular*
TAMPAX No. 1

Super Absorbent
TAMPAX No. 2

TAMPAX LTD.,
Sales Office, 110 Jermyn Street, London, S.W.1

ALWAYS IN DEMAN

Grip-tight

Soothers

Have you chec your stocks lat

Order now from the manufacturers:
LEWIS WOOLF LTD BIRMINGHAM 29 ENG

THE
"MATER
CLINICAL u
The position of the Mercury column is a perfectly plain. Red markings above

ALL TYPES C
CLINICA
AND OTHER
THERMOMETER

PERKEN, SON & CO. LT
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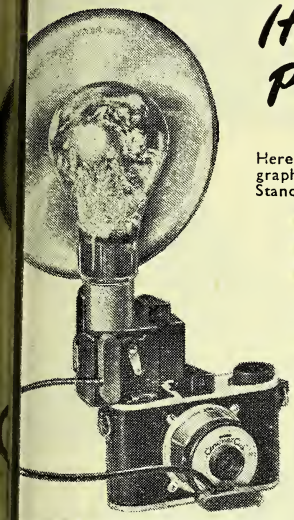
FASSETT & JOHNSON, LT
86 Clerkenwell Rd. London, E

A UFAY PRODUCT



H ATTACHMENT. Easily fitted automatically operated by the ing of the camera shutter.

It PHOTOGRAPHS anything— at anytime!

Here's a camera you can recommend for beg'nners and experienced photographers alike. Consider these outstanding features of the Coronet Standard Cub.

- Time and instantaneous shutter
- Two stops, f/11 and f/16
- Super Tubular [Direct Vision Viewfinder
- Synchronised for Flash
- Plastic Body, Morocco grain finish
- Lens Barrel, top and bottom panels in aluminium
- New simplified loading
- Takes Coronet 888, Kodak 828 or Ilford 88 roll film
- Picture size 28 x 40 mm.
- Fitted with lugs for neck strap
- Neck straps with new swivels for attaching to lugs.
- "Ever-ready" Case and Purse available
- Attached "Tripod" device

The Coronet STANDARD Cub CAMERA

PRICE — Complete with Synchronised Flash attachment
£5 : 11 : 3
(inc. Purchase Tax).

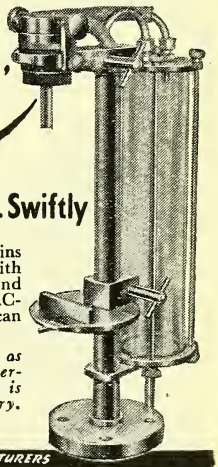
AY-CHROMEX LTD., 14-16 Cockspur Street, London, S.W.1 Telephone: Whitehall 6747

'harmitex' PURE OILET TISSUE is post war quality and for *Chemists only.*

HAROLD WESLEY LTD.
HARLEY MILLS, LONDON, N.W.10

VACFILL TRADE MARK

Fill it by 'Vacfill'



Simply... Cleanly... Swiftly

Correct filling of bottles, tins and other containers, with lotions, emulsions, oils and other liquids—the "VAC-FILL" Filling Machine can do the job.

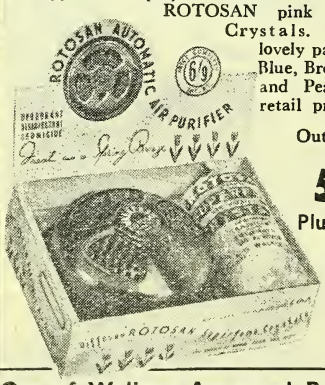
The Single Head Model as illustrated is efficiently operated by the unskilled and is available for early delivery. Full details upon request.

MANUFACTURERS
BUSBY, WINTER & Co. LTD.
VACFILL WORKS, 9-11 ANDOVER PLACE, LONDON, NW6.
TEL: MAIDA VALE 2867 & 5901. CABLES: VACFILL LONDON.

ROTOSAN

Automatic AIR PURIFIER

Chemists everywhere are welcoming the return of the ROTOSAN in its new modern, streamlined, design. Packed in an attractive cellophane-wrapped "display" carton with supply of ROTOSAN pink Superfume Crystals. In four lovely pastel shades, Blue, Bronze, Green and Pearl. 33⅓% retail profit.



Outfit retails at

5/6

Plus 1/3 P.T.

Refills 2/- 6 oz. bag.

One of Walkers Approved Products
W. & F. WALKER LTD. KIRKBY, L'POOL

In the newly designed Red topped pac
Spratt's Dog Medicines and Cat Medic
make an attractive appeal. Famous
over 80 years, these now represent tod
quickest m
line of speci
sundries.

SPRATT'S DOG MEDICINE

the formula is on the pack

SPRATT'S PATENT LTD., 41-47 BOW RD.,

PACKS

for your own PRODUCTS!

The best way to publicise your Proprietary Brands is to give them "eye appeal" with packs of attractive design, soundly manufactured. Let us send you samples to suit your individual needs.

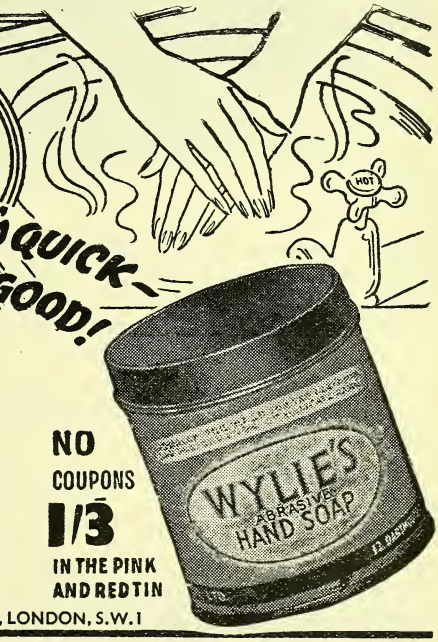
J. DRING LTD. THE AIRPORT PORTSMOUTH. Tel. 74448/9/0

WYLIE'S

Abrasive

HAND SOAP

It's QUICK — It's GOOD!



NVALUABLE IN THESE DAYS OF SOAP SHORTAGE

his is the scarlet and pink tin that catches e customer's eye — outstanding on your elf, compelling in its attractiveness; YLIE'S Abrasive HAND SOAP is kind sensitive skins, it cleans and protects nds, making them soft and supple hile gently removing grime. No grit, acid caustic. A quality line worthy of warm re-mmendation. Write us now for full details.

NO COUPONS

1/3

IN THE PINK AND RED TIN

YLIE'S CLEANSERS LTD., 12 DARTMOUTH STREET, LONDON, S.W.1

CONTAINS NO RUBBER

OVAL TOILET SPONGES selling at 3/8d. and 2/9d. including P.T. are now available in *four delightful colours*—natural yellow, blue, green, pink (packed in dozens, standard assortment or all one colour)—a really fine contribution to your window and counter display.

THE SPONTEX BABY SPONGE — extra fine, extra soft, in natural yellow, blue and pink, beautifully wrapped. 2/5½d. including P.T.

THE SPONTEX COSMETIC SPONGE — 7½d. including P.T.

BACKED BY A NATION-WIDE ADVERTISING CAMPAIGN.

Order from your usual supplier, or, in case of difficulty, write to:

SPONCEL LTD., WOLDHAM RD., BROMLEY, KENT.
Telephone: RAVensbourne 2641

Now in 4 delightful colours

RANSOM

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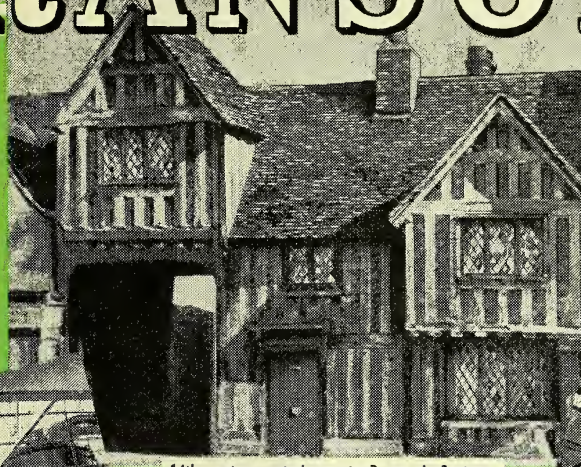
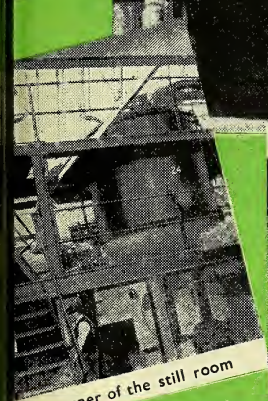
VER
EARS

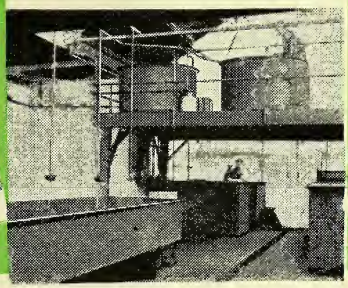
EXTRACT
FOR
ALL
PURPOSES



14th century gate-house to Ransom's Factory



A corner of the still room



Aloin extraction plant

A section of the extract laboratory

ACTUAL GROWERS OF

BELLADONNA HENBANE

FOXGLOVE

CHAMOMILE LAVENDER

EXTRACTS

(Solid and liquid)

TINCTURES RESINS OLEO-RESINS

RESINOIDS ESSENTIAL OILS CHLOROPHYLL

ESTABLISHED 1846

WILLIAM RANSOM & SON LTD.

Growers of medicinal plants for over a century

Hitchin, Hertfordshire, England

THE POPULAR COUGH SYRUP

Good for the young and good for the old

Supplies may be obtained from C.F Wholesale Houses

ZEMS LTD

718-724 Seven Sisters Road, London, N.15

Telephone: STAMFORD HILL 6658-9

HE
MPORTANCE
F FEMININE
YGIENE...

SHE SEEKS
your
GUIDANCE

t is one of the responsibilities in Pharmacy to give guidance and professional dvice when called upon to do so.

Women to-day especially value this service knowing that your impartial pinion is based upon years of pharmaceutical knowledge. In matters relating o Birth Control it is always wise to suggest Rendells. For over sixty years he original full strength formula has proved harmless, completely dependable, nd recent clinical tests also confirm there is no better or more convenient ontraceptive.

Rendells

PRODUCTS FOR FEMININE HYGIENE

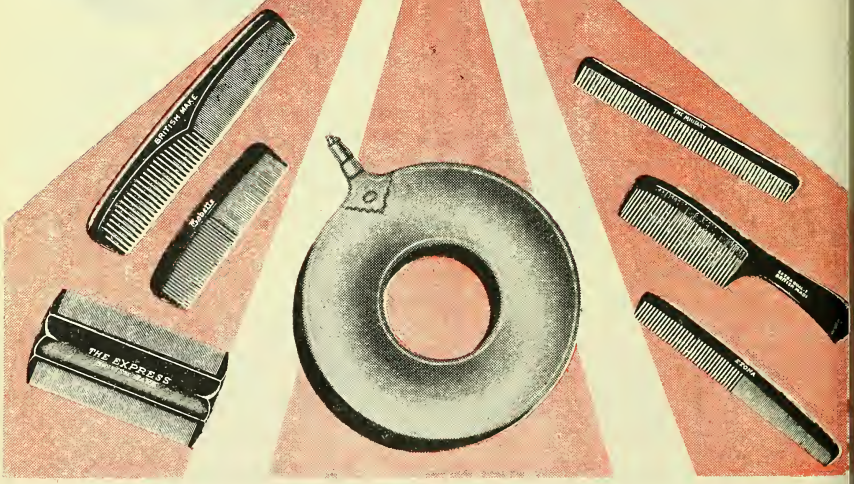
W J RENDELL LTD · HARDWICK HOUSE · 161-5 ROSEBERY AVENUE · LONDON E.C.1

Many high quality NORTH BRITISH rubber products in steady demand are obtainable through your wholesaler.

NORTH BRITISH

Pneumatic Cushio
Hot Water Bottl
Nursing Aprol
Water Beds, C
Sheets, Combs, e

FOCAL POINT FOR RUBBER PRODUCTS



THE NORTH BRITISH RUBBER CO., LTD., EDINBURGH, LONDON & BRANCH

HW14

BE READY

FOR THIS SEASON'S INCREASED EGG PRODUCTION

With extra poultry foods available, more of your customers will be preserving eggs this season. This means more requests for Goodall's Waterglass. Be sure your stocks are sufficient to meet the increased demand. Goodall's Waterglass gives a clear, clean fluid. Packed in attractive all-metal leakproof tins.

No. 1 size in 4 & 6 doz. cases; No. 2 size in 2 doz. cases

*Cases are **free** and non-returnable.*

Goodall's WATERGLASS

EGG PRESERVATIVE

GOODALL, BACKHOUSE & CO., LTD.
SOVEREIGN STREET, LEEDS

(29T)

Speaking of

NORTHERN IRELAND

WILL REMIND YOU OF

Belfast Telegraph

The Newspaper with the largest circulation in Northern Ireland. Read in the homes of the people throughout the whole of this important industrial and agricultural part of the

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OTEG

EGG PRESERVATIVE

"DRY-SEALING" PROCESS

MAXIMUM RETAIL PRICES

Bi ou size - - - - 3/4 (250 egg
Small Household size 5/10 (500 egg
Large Household size 9/2 (1,000 egg

THE STORAGE OF EVERY SURPLUS EGG WAS NEVER MORE IMPORTANT

The unique method of Egg Preservation. One quick dip and the eggs are perfectly preserved for twelve months or more. OTEG preserved eggs are stored in any box or basket.

OTEG is still in very short supply. Available stocks are being d stributed as evenly as possible, and when normal conditions return, full distribution will be resumed.

OTEG IS SUPPLIED IN AIR-TIGHT TINS READY FOR USE

Sold by Chemists, Grocers, etc.

SOZOL (1924) LTD., 2, COPTHALL BUILDINGS, LONDON, E.C.2

Telegrams: "YUSOZOL, STOCK, LONDON" Telephone: MONarch 6830

..YOU have asked for it... and here it is!

NEW SMART ONE DOZEN 1/- SCRAM COUNTER DISPLAY BOX 8/9

Also available in 3 doz. Display Boxes - 25/6

NATIONALLY ADVERTISED ALWAYS IN DEMAND

- MORE THAN 1,000,000 PACKETS SOLD PER YEAR
- CLEAN, NON-POISONOUS AND SAFE
- HARMLESS TO CHILDREN AND PETS

Display the

Order from your Wholesaler or direct.

PACKS THAT SELL, SELL, SELL!

RAM PRODUCTS LTD. (C.D.), Dartmouth Park Hill, London, N.W.5

1842 - 1949

J.S & W

LETTERPRESS & LITHO CARTONS

FOLDING AND RIGID BOXES

PACKINGS FOR SPECIAL PURPOSES

JOHNS, SON & WATTS LTD

The Packaging Specialists

2-4 EPWORTH ST. LONDON E.C.2

Phone: MONarch 7408 (three lines)

GARDINER'S *FOR*

JACKETS

FINE WHITE DRILL, 2 coup
Button 3, 3 Outside Pock
Chest—32" to 46" - 14
Post and packing 1 or 2—9d

LONG COATS

WHITE DRILL, 3 coupons
3 Outside Pockets - - 2
Post and packing 1—9d., 2—1
ALL SHRUNK

Subject to Price Fluctua
and Supplies available

State Chest Measurement. Se
Cash and Coupons with Ord
over £2 Carriage Paid.

GARDINER & *CO.* (The Sc House)
1, 3 & 5 COMMERCIAL ROAD, LONDON, E.
Opposite Aldgate East Station 'Phone: BIS 6751 (3 line
Branches: DEPTFORD, S.E.8; WOOLWICH, S.E.1
CLAPHAM, S.W.1

A DELICATE SUBJECT — FOR DELICATE SKINS

The TOTTY-POT

Rubber Ringed for Cushion Comfort

Trade Mark "Totty Pot" Patent applied for

A NON-CORROSIVE ACID-PRO
HYGIENIC CHILD'S CHAMB

Detachable ring, easily removed
cleaning purposes

Made of Aluminium

ANODISED IN SOFT PASTEL SHADE

SOLE MANUFACTURERS
J. BILLIG & SONS LTD.,
ESTABLISHED 1899

BILTIN WORKS, FONTHILL RD LONDON
TELEPHONE: ARCHWAY 2753 & 3058

A ONE HAND SPRAYER of UNIQUE DESIGN & UNRIVALLED EFFICIENCY

The Handispray

The " Handispray " is the most efficient all sprayer ever made. As a result of scientific design, the performance for ch a unit is phenomenal and for the raying of disinfectants, insecticides, odorants and hormones in house and rden it is ideal.

For household use, from demothing othes and furs and destroying insect sts to spraying sick rooms and nurries, it is far more convenient than the pump type sprayer.

Women particularly find the one hand eration much easier.

O OTHER SPRAYER HAS ALL THESE FEATURES

Held and operated by one hand. Leaves the other hand free to handle plants, sort clothes in wardrobe and drawer and generally ensure that the spray reaches just where it is needed.

Can be fitted to any screw cap container.

Automatic air inlet into container.

A plastic suction tube accommodates any height of container within the capacity of the " HANDISPRAY."

Each sprayer individually packed in 2 colour carton with full fitting instructions.

Price 2/6 Retail.

CAPPING SERVICE FOR BULK BUYERS'

We will fit the " HANDISPRAY " to your Container Caps free of charge. Write for full details of this service.

ITS ALL SCREW CAP CONTAINERS

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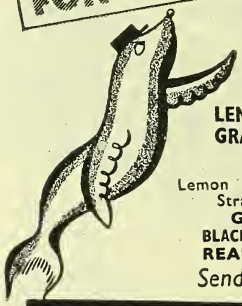

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Lemon · Orange · Raspb
Strawberry & Vanilla
GINGER WINE
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REAL RAISIN WIN
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(Trade Mark)
OWN MANUFACTURE

ORIGINAL LANETTE WAX S
based on Sodium Cetyl/Lauryl Sulph

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based on Sodium Cetyl Sulph

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based on Sodium Lauryl Sulph

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Wax Refiners and Chemical Manufacturers
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Here's a really worth-while offer—an extra 5% discount on all orders for Radian β of £5 or more (excluding Purchase Tax)—5% *over and above* the usual generous terms! What's more, retailers displaying this fast-selling liniment for 14 days will get a *further* 5%! This offer is to be limited to February and March only. So order early and be sure of *your* additional profit.

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A PRODUCT OF

THE RADIOL COMPANY

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idland Area Distributor: John Knox (Stoke-on-Trent) L'd.
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RADIAN β
A SURE SELLER ON SIX COUNTS

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- Swiftly relieves rheumatic aches and pains.
- Non-oily.
- Non-staining.
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LAX - VITA MAGNAS a reliable aperient let containing Vitamin B.1. which can be commended with absolute safety. Packed in o sizes. **TALVIXA STOMACH POWDER** d **TALVIXA STOMACH TABLETS** for digestion, heartburn, windy spasms, etc. **ETOPHEN TABLETS** an analgesic for uralgia, headaches, menstrual pains, etc., and prophylactic against colds, influenza and all verish complaints. **P.L.B. COUGH LOZENES** a sound seller with consistent repeat sales. **NTHOS** a soluble sanitary towel of the finest ality. Packed in 12's. **ANTHOS ALL-LASTIC SANITARY BELTS** in ready supply. **UVENE ALL-WOOL SANITARY TOWELS** cked in 12's, sizes 1 and 2.

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A famous line with a steady demand

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PACKED IN ATTRACTIVE DISPLAY CARTON
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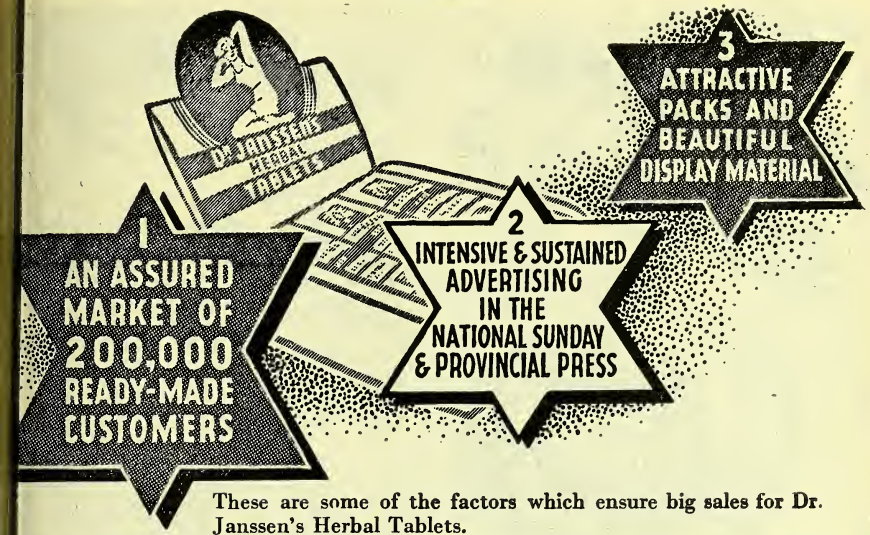

These are some of the factors which ensure big sales for Dr. Janssen's Herbal Tablets.

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	Cost	Selling
doz. 2/6 Dr. Janssen Tablets	16/-	24/-
only 2/6 „ „ „	Free	2/-
ives you 38.4% NETT PROFIT	16/-	26/-

BONUS PARCEL "B"

	Cost	Selling
Two doz. 2/6 Dr. Janssen Tablets	32/-	48/-
½ doz. 5/11 „ „ „	19/6	29/-
¼ „ 5/11 „ „ „	Free	14/6
Gives you 43.7% NETT PROFIT	51/6	91/6

excluding Purchase Tax.

ark your order simply A or B parcel. It can go through your usual wholesaler if desired. All parcels over £1 carriage free.

FORMULA

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Ext. Cascara. Sag. Sicc.B.P.	25.625%	Cerevis, Ferment. Sicc.	38.541%
Ext. Aloes B.P.C. . .	7.500	Mrryh. B.P. . .	2.083
Ext. Leptandra B.P.C. .	2.083	Lecithin (Ground Nut)	3.750
Ext. Gentian B.P. . .	3.750	Oleoresin Zingib . . .	0.958
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Sole Distributors: HARRY A. PENNEY (DISTRIBUTORS) LTD.

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THIS SENSATIONAL NEW WASHER!

Intensive National and Local Advertising, backed by a really magnificent product at the economical price of 8½d. per 10 oz. box, is firmly establishing BROBAT SUDS as the perfect, all-purpose, soap-saving household washer. Get on to this line at once by writing or telephoning

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Telephone: LIBerty 7380/7390/2047

Are YOU using BROBAT Suds?

For all your household cleaning! Br Suds makes clothes washing easy, wash up a pleasure. Its 'live lather' si *rolls out the dirt* — makes whites whitr cleaner, gives gleam and sparkle to ware, crockery and tiles. There's no ' Brobat Suds Get a 10 oz. cer or hardwar

At the sink or in the swim..

the PUCK Undercap gives pe fect protection. It sells all the year through as a dust-cap, bath-cap or swim-cap, but there *is* a rush in the summer. Be prepared for it by ordeing NOW

Supplied in outers containing 4 dozen assorted (red, yel ow, pale blue and white). Each cap packed in window carton to show colour

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Only Wholesalers Supplied

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The Symbol of PERFECT Skin Health

A revolutionary product for the treatment of skin illnesses with unusual penetrative power. Sold under a money-back guarantee of satisfaction. Liquid and cream. Prompt deliveries.

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PATA

BC 80

THE RELIABLE

Edosan

SANITARY TOWELS

PURE COTTONWOOL THROUGHOUT

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ORAY LTD., GOLDEN MILE WORKS, BRIDGEND, GLAMORGAN

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MANUFACTURERS OF EXCLUSIVE TOILET PREPARATIONS
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6 *different* BATH PERFUMES IN ONE PACK

SELLS ON SIGHT

Smart pocket-size display pack containing six "Bath Sweet" miniatures — Jasmine, Eau de Cologne, Lavender, Narcissi, Chypre and Rose. A certain seller over the counter. 33⅓% trade discount will guarantee your profit.

1/6 PER BOX inc. 100% P.T.

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THE DEMAND for a non-laxative antacid is large and steady. In every case you can confidently recommend 'BISURATED' Magnesia (Bism. Carb. 8%, Sod. Bicarb. 42%, Mag. Carb. 50%).

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TRADE MARK
Magnesia

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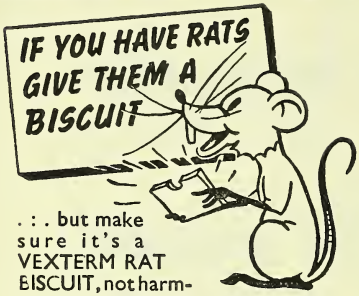

. : . but make sure it's a VEXTERM RAT BISCUIT, not harmful to pets, human beings or farmyard stock, but death to rats and mice. Clean, safe and easy to handle. From Chemists, Ironmongers and Stores everywhere. Price 1/6 & 5/9

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READY-BAITED

RAT BISCUITS

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"GLYCOSTATE" Brand sets a standard for a No.1 Food and Drug quality; samples on request.

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IMMEDIATE DELIVERY EX STOCK

Six assorted colours

5½" POCKET COMBS - 12/- per gross

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plus 33⅓% purchase Tax

TWEEZERS 4⅝" - - - 48/- ,, ,,

Minimum Quantity 1 gross lots

TERMS: NET CASH. FREE DELIVERED.

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FULLY GUARANTEED AND ATTRACTIVELY PACKED

PRICES—

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We have large stocks of . . .

Surgical Instruments · Sundries

Record Syringes · Hypodermic Needles etc.

Your enquiries are invited

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for those who suffer from Coughs, Colds and Winter Chills, is

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62, 64, 66, STONEY LANE
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WORLD-FAMOUS COSMETIC HOUSE SPONSORS THESE FOUR NEW HAIR BEAUTY PREPARATIONS

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A luxurious, enriched, golden creme shampoo. Leaves hair soft and radiant. Delicately perfumed. Especially suited for use before "home perm".

8 oz: 51/- doz., I.R.P. 7/6d.
2 oz: 17/- doz., I.R.P. 2/6d. (33⅓% TAX).

2 CREME RINSE

A revolutionary treatment for dull, dry hair, for use after a shampoo. Leaves hair wonderfully soft and easy to manage. Particularly suitable for use after a Permanent Wave.

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3 DANDRUFF TREATMENT

31% of women give dandruff as their chief hair worry. This effective and refreshing treatment has no unpleasant odour and fills a real need. Active ingredient, Alkyl dimethyl benzl amonium chloride.

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The merest trace of this lanolin-rich creme keeps the hair lustrous and neat with a look of "salon grooming". The delicate pink colour gives it a strong feminine appeal.

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(100% Tax).

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Contains one 2 oz. bottle of each preparation and is attractively packed in a travelette pack.

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HAIR BEAUTY PREPARATIONS
MADE BY THE MAKERS OF THREE FLOWERS COSMETICS

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for the complexion

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for obesity

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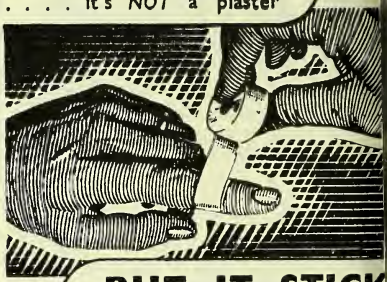

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. . . it's *MORE* than a ban

PRESTOBAND
THE ANTISEPTIC SELF-ADHESIVE BANDA
STICKS TO ITSELF — BUT NOT TO THE SK

Details from the Sole Distrib
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86 Clerkenwell Rd. London, E.C.1 and 6 Crow St. D
MADE BY VERNON & CO. LTD., PRESTON, LA

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Outstanding Product

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COMPOUND METHYL SALICYLATE OINTMENT

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FORM	*DURATION OF EFFECT*
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LINGUETS 5 and 10 mg. (*Ethisterone B.P.*)	For MAINTENANCE Therapy

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5/49

The
CHEMIST AND DRUGGIST
for RETAILER—WHOLESALER—MANUFACTURER
FEBRUARY 5, 1949
Published weekly at 28 Essex Street, Strand, London, W.C.2
Telephone: Central 6565 (10 lines). Telegrams: "Chemicus, Estrand, London."
opies 1/- each. Annual subscription, which includes The Chemist and Druggist Diary and Year Book, 30/-

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NEWS OF THE WEEK

nisterial Changes.—Appointments of unior ministers announced on Februinclude those of Mr. L. J. Edwards, ., as Parliamentary Secretary to the of Trade and Mr. Arthur Blenkins Parliamentary Secretary to the Minof Health.

nsus of Distribution.—An Order 1949, No. 130) has been issued by Board of Trade, giving effect to the on of the Board of Trade to post the Census of Distribution for one The census will be taken in 1951, ing the year 1950. The Census of uction (now being taken in respect of ear 1948) is unaffected.

eeting of Statutory Committee.—At eeting of the Statutory Committee of Pharmaceutical Society on January 27, nplaint brought against a member of Society by a medical practitioner was issed. The chairman (Mr. H. Hull, E.) said the Committee was satisfied nothing in the evidence put forward d be construed as misconduct within meaning of the regulations.

Soap for Non-domestic Users.—From March 27 the soap allowance of non-domestic users (excluding those whose soap allowances underwent no reduction in 1946) is being increased by one-twelfth. Additional credits will be granted to retailers and wholesalers against permit Soap 2A during the eight-week period beginning January 30 to enable them to obtain extra soap to meet the increase.

Citrus Fruit Juices.—The Citrus Fruit Juices Control invites manufacturers who require citrus fruit juices (lemon, orange, grapefruit, lime) to apply for a form which sets out terms and conditions for their distribution within the next few months. Application should be made not later than February 28, to the secretaries, Citrus Fruit Juices Control, 4B Frederick's Place, Old Jewry, London, E.C.2.

Proprietary Infant Foods.—The Minister of Food has further amended the Proprietary Infant Milk Foods Order, 1947, so as to relate the coupons for proprietary infant milk foods in the child's ration book R.B.2 to the appropriate

weeks in each rationing year, and to make it clear that the endorsement of the letters "P.I.M.F." on the book may be made only by or on behalf of the Minister of Food.

N.H.S. Handbook for Dentists. — A National Health Service "Handbook for General Dental Practitioners" has been issued by the Ministry of Health. A section on the supply of drugs says that a dentist may give a prescription on form E.C.14 for any of the permitted drugs that he considers a patient should have for use at home as part of his pre- or post-operative treatment. The patient may take the prescription to any chemist taking part in the service. The passage continues: "To help the chemist and those responsible for paying him, the prescription should be written clearly, the amount ordered should be stated, and the dentist's rubber stamp should be used as well as his signature."

Scottish Shop Tenure.—An interim report (Cmd. 7703, H.M. Stationery Office, price threepence) issued recently by a committee set up by the Secretary of State for Scotland and the President of the Board of Trade to inquire into the tenure of shops and business premises in Scotland, recommends, among other things, that, if a landlord, on the termination of a tenancy, wishes to let or sell his property, he should be required to give the tenant the first option to rent or buy. If agreement on terms or purchase price cannot be reached, the committee suggests that the sheriff should be empowered, under certain conditions, to enforce a renewal of tenancy for a period of not more than one year, or a sale of the property under terms that the sheriff considers reasonable.

1951 Festival Exhibits.—The Council of Industrial design, which is to be responsible for selecting examples of manufactured goods to be shown at exhibitions held in conjunction with the Festival of Britain, 1951, invites manufacturers to submit photographs, catalogues, leaflets, prototypes or samples illustrating their best work. The photographs, etc., are to be used to build up a "1951 stock list" which is to be an index of manufactured products that are of a sufficiently high standard to warrant consideration by the selectors. The Council undertakes, if requested, to treat any information supplied as confidential, and its industrial officers are ready to advise manufacturers about designs for the exhibition. Material should be sent to the chief industrial officer, Council of Industrial Design, T House, Petty France, London, S.W

Travellers' Schools Appeal. — A annual festival dinner in London on ary 28 of the Royal Commercial T lers' Schools, it was announced th 1948 maintenance appeal had reali net total of £37,339 (including an a of £2,000 from the Leverhulme tr in the president's list. Apart fro 1945 (centenary-year) figure, this w highest sum ever raised during a t month appeal. The guest of honour— Mackintosh of Halifax (who is also th sident of appeal in 1950 of the mercial Travellers' Benevolent Instit —said that never was the sort of tion given to boys and girls at the s more necessary than at present, d all that was done for education b State. Mr. T. S. Sara (a deputy- man of the board of management, that, before the end of the year en to the school would be open to any of a commercial traveller, and n orphaned children only.

Prescriptions for Hospital Out-pat —The Ministry of Health has issue following statement about dispensing fo patients at hospitals without dispens —Where a hospital or clinic the control of a Hospital Management mittee or Board of Governors has n a dispensary of its own nor regula convenient arrangements for dispe out-patients' prescriptions at another pital, prescriptions may be given to patients for dispensing without char any chemist's shop where National H Service work is done. The prescrip will be passed through the machine the Pricing Offices and the Exec Councils and no charge will fall o hospital's accounts. Prescriptions i under these arrangements must be s by a qualified doctor and may relate to drugs and to the appliances show the Third Schedule to the National H Service (General Medical and Pharm tical Services) Regulations, 1948) (se *& D.*, 1948.II.320 and 326). In order the patients may get it dispensed wi charge, the prescription must be mad on a special form, which is being prep at the foot of which the name of the pital should be stamped. The arrangen outlined in the memorandum are no tended at present to hospitals which their own regular arrangements for pensing.

LOCAL NEWS

lackpool Lecture on Therapeutics.—cture on recent advances in therapeu- was given at a meeting of the Junior on of the Blackpool Branch of the maceutical Society on January 18 by J. Gilbert, B.Pharm., M.P.S. (Gena-, Ltd.).

hester N.H.S. Estimates.—At a meet- of Chester Executive Council on ary 17 the estimated health service nditure for 1949-50 was stated to be),089, including £45,000 for pharma- cal services. Mrs. E. E. Penfold (a ber of the Executive Council) stated ervice now provided by Chester che- on Sunday evenings was proving of benefit to patients; she hoped it was proving satisfactory to the chemists.

ld Watches for Long Service.—een employees of the International nical Co., Ltd., London, who had completed at least twenty one years' e with the company, were presented gold watches at a ceremony held at company's factory at Stamford Hill, , on January 27. The presentations made by Mr. A. J. C. Gormley rman and managing director), who elf received a gold watch to mark the letion of twenty-five years' service the company.

ow Malt-and-Oil is Made.—At Dart- on January 25, Dartford Branch of harmaceutical Society heard a lecture The Manufacture of Malt Extract Cod-liver Oil," given by Mr. H. A. ps, B.Sc., Ph.C., F.R.I.C. Mr. Phillips d the development of the product g the past seventy years and showed rn slides of large-scale plant and pro- used. Analytical controls were ex- ed, and specimens of raw materials finished products shown. Mr. L. G. hy, Ph.C., was in the chair, and a of thanks to the lecturer was proposed Ir. J. W. Bowie, seconded by Mr. H. n.

r. Linstead in Leicester.—Speaking meeting of the Leicester and Leicester- Branch of the Pharmaceutical Society anuary 11, Mr. A. Mattock in the , Mr. H. N. Linstead (a secretary of Pharmaceutical Society) said Great in had a responsibility to help in ng Europe together and pharmacists not shirk their part. The Society was ted to the International Pharmaceuti- ederation, and a number of European pharmacists had attended the British Pharmaceutical Conference in 1948. Foreign pharmacists, subject to passing an examination in forensic pharmacy, were being allowed to practise in England and an extension of reciprocity arrangements was to be hoped for. Referring to the National Health Service, Mr. Linstead said that pharmacists must aim at giving so good a service that health centres would not need to be equipped with pharmaceutical departments. The apparent shortage of pharmaceutical manpower was because pharmacists spent too much time on non-pharmaceutical work.

IRISH NEWS

Belfast Informal Meeting.—Mr. A. W. Kernahan (head of the Northern Ireland Drug Pricing Bureau) was the speaker at an informal meeting arranged by the president of the Pharmaceutical Society of Northern Ireland (Mr. H. H. Cowzer) at the Society's headquarters on January 17.

I.D.A. Secretary's Tour.—During the next few weeks Mr. Brendan R. Smith (secretary, Irish Drug Association) is to make an organising tour of the Wexford, Cavan and Monaghan areas, where it is hoped to hold representative meetings of local chemists. Wexford chemists who wish to have any special matters placed on the agenda for a meeting of the County Wexford Federation of Pharmaceutical Chemists and Druggists should communicate with Mr. W. F. Kirby, M.P.S.I., 43 North Main Street, Wexford. Cavan and Monaghan chemists who wish to raise any matter at a meeting to be held in their area should communicate with Mr. J. Nicholson, M.P.S.I., Clones, co. Monaghan.

West of Ireland Chemists.—At a meeting of the West of Ireland Pharmaceutical Chemists' Association held recently at Enniscrone, the following officers were elected:— *President,* Mr. T. Stack, Westport; *Vice-president,* Mr. R. Kilgariff, Tuam; *Treasurers,* Messrs. M. J. Duncan, Ballina, and V. Tully, Castlerea; *Secretaries,* Messrs. Charles M. Ward, Crossmolina, and Cormac Flanagan, Headford. The next meeting was arranged to be held on April 24. There was a large attendance, and a party that had travelled from Dublin, included Messrs. T. C. Scott (vice-president, Pharmaceutical Society of Ireland), D. Woulfe (vice-president, Irish Drug Association), J. G. Coleman (registrar of the Society), and B. R. Smith (secretary, I.D.A.).

OVERSEAS NEWS

Swedish-Indian Penicillin Discussions.—The Indian Government has invited representatives of the Swedish company, Kärnbolaget, A.B., to visit Delhi to discuss possible co-operation in the manufacture of penicillin.

Health Insurance Bills in U.S.—Legislation has been initiated in the United States on the lines of President Truman's recommendations upon compulsory health insurance. Bills sponsored by a number of senators provide for health insurance for 125 million persons with free choice of doctor and under local administration.

German Trizonal Trade. — A trade agreement between the three western zones of Germany and Poland was signed in Frankfurt recently. Optical equipment and chemicals are included in the goods which Western Germany will export to Poland. Under an agreement with Holland the trizone will provide certain chemical products.

German Penicillin Production.—Output of penicillin in the German bizone is expected to be increased, reaching 100,000 mega units by June and double that figure at a later date. The estimated output of 200,000 mega units covers the current demand for penicillin in the three Western zones. A Hamburg company is developing a new process by which it is hoped to reduce costs. [At present the German-produced material costs about five times as much as the imported.]

Pharmacists' Memorial to be Replaced.—A committee set up in France under the presidency of Professor René Fabre (*Doyen de la Faculté de Pharmacie de Paris*) aims to erect in Paris a new monument to the French pharmacists, Joseph Pelletier and Joseph B. Caventou, who in 1819 discovered quinine. The new monument will replace one erected from internationally subscribed funds in 1900, but destroyed by the Germans in 1941. Subscriptions are invited; they should be addressed to "Revue du Paludisme," 36 rue Ste-Croix de la Bretonnerie, Paris. 4.

New Atom-splitting Machines. — Details of two large machines being built by American Atomic Energy Commission at Long Island, New York, were released at the annual meeting of the American Physical Society at Columbia University recently. One of the machines, called a cosmotron because it will produce particles like cosmic rays, will bombard the n of atoms with particles at energies 2,500 million - 3,000 million electron —energies ten times greater than thos the most powerful atom-splitting mach now in existence. The other machine electric furnace, will equal or excel counterpart at Oakridge, Tennessee. costing $20 million to construct. believed that the cosmotron will greatly crease the understanding of high-en and of possibly yet undiscovered parti and that it will enable energy to be verted into protons.

SCHOOL OF PHARMACY

The School of Pharmacy, University London, has been registered as a comp limited by guarantee and without s capital, the word "limited" being omi from the title by licence of the Boar Trade. The original number of mem is not to exceed 500, each member b liable for £5 in the event of winding The principal objects of the school described as:—

Subject to any necessary sanction or consen take over from the Pharmaceutical Society of Britain the school of pharmacy founded and tofore carried on by that Society under the of "The College of the Pharmaceutical Soci and to carry on and develop the said schoo provide education or courses of study in phar and related sciences of University standard, to pare students for the degrees of the Universit London and for the examinations of the Pha ceutical Society of Great Britain and similar bo to provide facilities for and encourage researc pharmaceutical and other related branches knowledge and learning, and to organise, courage and stimulate post-graduate study in branches, etc.

All income and property of the schoo to be applied solely towards the promo of its objects. The management is ve in a Council consisting of four pers nominated by the Senate of the Univers four by the Society and four by the A demic Board, with the dean and not m than six members to be co-opted *C. & D.*, 1948.II.532). The Council is to make any final decision on any quest of educational policy until the Acade Board has had an opportunity of expr ing an opinion on the subject and opinion so expressed has been conside by the Council. The Academic Board to consist of the professors, readers heads of departments of the school with addition, two members elected by the ot teachers.

TOPICAL REFLECTIONS

apeutic Trials

ne report of an address by Professor ert B. Hunter at Dundee (p. 129) in- es the statement that there is "a great for a therapeutic trials committee h would be responsible for the investi- n of all new drugs." It is not easy uess what was in the speaker's mind n making this remark. One would have ght that the field of therapeutic re- h is fairly well covered in this country xisting institutions. As it happens, two bodies are mentioned on p. 132 of same issue: two others readily come emory. The four are: (1) The Thera- ic Trials Committee of the Medical arch Council; (2) The Therapeutic Re- h Corporation of Great Britain, Ltd.; he National Institute for Medical Re- h; (4) The World Influenza Centre ratory. There may be others. For al years past a complaint of over- ng, with consequent waste of time, in rch has been heard; and the danger be studiously avoided. I therefore sug- that when a drug is introduced for rimental trial, one of the established nisations should be approached in the place. As is generally agreed, a trial y new medicament calls for team work ompetent observers, work usually in- ng many tests. The research on the non cold now in progress in Wiltshire case in point. It may be added that se liaison between academic and in- ial teams is a prime factor in choosing most promising lines of approach to subjects selected, and in eliminating eful straying into side-issues.

h Rates

ne announcement (p. 130) that the n rate in England and Wales for the 1948 is only 10.8 per 1,000 of the lation, the lowest on record, is wel- e. Without overloading this paragraph statistics, it may be stated, in general s, that this rate is about half that of year 1868, when what some of your readers regard, no doubt, as the prin- Pharmacy Act was passed; the same rk applies to Scotland. Pharmacists played their part in bringing about a ction in accidental poisoning and (if obviously) in suicidal poisoning—two r but important causes of death. ng regard to the increasing familiarity e public with toxic substances of the kinds sold in chemists' shops, the reduction in the number of deaths from what may be called popular poisons is significant. In the five years 1892-96, for instance, accidental deaths from opium and its derivatives and preparations numbered 483; suicidal deaths from the same group amounted to 323. In 1919—the year, it will be noticed, *before* the first Dangerous Drugs Act was passed—the corresponding deaths were respectively 15 and 12, figures which, multiplied by five, yield 75 and 60. Other examples could be given illustrating improvement in this matter. In the case of carbolic acid it was pharmacists, powerfully supported in the trade Press, who urged an indifferent Parliament to order this poison to be scheduled, and thus to increase the difficulty of access to it.

Laminaria Digitata

The article "Alginates and Their Applications" (p. 148) has a double interest because of its reference to Edward C. C. Stanford, a Scottish pioneer in the application of chemistry to manufacture. Stanford was present at the inaugural meeting of the British Pharmaceutical Conference in 1863, and contributed to its proceedings on various occasions. In 1867, when the annual meeting was held at Dundee, he showed and commented on a specimen of charcoal obtained by treating stems of *Laminaria digitata.* In your report of his monograph the stems are described as being from seven to eight feet long and about the thickness of a man's wrist; when dried, they become hard, horny, flexible rods of smaller size. On being carbonised, the rods swell into a porous charcoal about three times their original volume. The charcoal, Stanford continued, contains about 40 per cent. of salts, and is very rich in iodine. He gave an analysis of the substance obtained by lixiviation: it consists of about 50 per cent. of carbon, with salts of calcium, magnesium, aluminium, potassium, sodium and ammonium, and a little silicic acid. The 15 per cent. of water found was difficult to separate. Attention was called to the resemblance between this analysis and that of animal charcoal. On account of the high content of calcium carbonate the substance was declared unsuitable for refining sugar. An interesting discussion followed. I have called attention to this record for the sake of reminding your readers of a chemist who has deserved well of pharmacy.

Xrayser

LEGAL REPORTS

Sentenced for Shopbreaking.—At West Riding Quarter Sessions, Wakefield, on January 14, Harry Naylor, a lorry driver, Market Place, Normanton, was sentenced to six months' imprisonment for breaking into the shop of Mr. Thomas Heseltine, M.P.S., High Street, Normanton, and stealing bottles of gin and other articles valued at £35. Leonard Young, miner, Castleford, jointly charged with Naylor, was bound over for two years.

Alleged Wrongful Dismissal.—In the King's Bench Division, London, on January 24, Dr. Frederick Cecil Barron Marshall, research chemist, brought an action against Low Temperature Carbonisation, Ltd., London, S.W.1, for alleged wrongful dismissal. There was a counterclaim for damages for alleged breach of an implied term to serve the company. The plaintiff joined the company in 1944 as a research chemist. A deduction was made from his salary of £700 in respect of superannuation, and it was one of the pleadings that the post was a permanency. In October 1947 Dr. Marshall was dismissed, being given one month's notice. He had written to point out that it was the established practice for a qualified chemist to receive a minimum of three month's notice or payment in lieu, but the company replied that they had forwarded him money covering seven weeks, which was considered fair and even generous. The defendants claimed that they were justified in dismissing Dr. Marshall for misconduct. Plaintiff's counsel said that Dr. Marshall had started a business which he could supervise in his spare time to deal with paints, enamels, etc. It was held that the defendant company had nothing whatever to do with paint, and that an employee was entitled to use his spare time as he pleased, so long as he did not use information he obtained from his employers.

Dr. Marshall said the new company, Barron (Chesterfield) Industries, Ltd., was registered on October 8, 1947. The business of his new company did not in any way conflict with that of the defendant company. In cross-examination he agreed that research had been done by the defendant company on phenol-formaldehyde resins, but the type dealt with by the defendant company was not used in nitrocellulose lacquers. The judge said it was clear to him that, even if it were held that the plaintiff's conduct was so incompatible with the faithful discharge of his duty to the defend that they were justified in dismissing summarily, he had never intended t at any time in the least disloyal or t any act prejudicial to them. What plaintiff intended to do was to sell p for the purpose of painting or spra motor cars. Plaintiff had not conce the formation of the company, and ha regard to all the facts, he (the judge) not think the plaintiff's conduct was as to justify instant dismissal. He entitled to some notice, and was now titled to damages; there should be t months' salary. Judgment and costs given for the plaintiff on the claim counter-claim. A stay of executio judgment was granted to defendants vided the balance of the sum invo were paid into court in fourteen days notice of appeal given within that tim

INQUESTS

First Pethidine Death.—A death f poisoning by pethidine, stated to be first fatality caused by the drug, was subject of an inquest at Willenhall, verhampton, recently. A pathologist st that a post-mortem examination had sh that the dead person—a twenty-nine-v old woman who had suffered from infa paralysis for twenty years—had taken siderably more than the medicinal d He thought that the woman might tried to cure a headache by taking an e large dose. A verdict of death by misad ture was returned.

Heptalgin Injected into Vein.—At inquest at St. Pancras, London, rece on a London obstetrician and gynæcol who had been found dying in a Lor underground station, a pathologist st that the man had given himself inject of Heptalgin, and one of the injections been into a vein. The man had poss been recovering from a drunken condit Dr. H. M. Walker (director of resea Glaxo Laboratories, Ltd., manufacture Heptalgin), said that the preparation, troduced for the relief of pain, had a siderable margin of safety. Injection a vein, however, would make it about times as toxic as when administered u the skin. Returning a verdict of accide death, the coroner said that it was implied that the drug was intrinsically gerous, and the case was at best an stance of misuse.

BIRTHS

ʌenzies.—At 15 Woodside Road, ıchory, Kincardines, on January 17, wife of James D. C. Menzies, M.P.S., ı son.

ʌatt. — At Rubislaw nursing home, ɜrdeen, on January 17, Flora, the wife James W. Watt, M.P.S., 44 Salisbury race, Aberdeen, of a daughter.

DEATHS

ɜarker.—On January 14, Mr. John ıry Barker, M.P.S., whose address in register is 64 Greystones Road, Shef-l, 11, aged fifty. Mr. Barker was regis-d in 1921 under Section 4 of the ɜons and Pharmacy Act, 1908.

ɜerrill.—On December 17, 1948, Miss ɜh Annie Berrill, M.P.S., 48 Corring-ı Road, Golders Green, London, V.11. Miss Berrill qualified in 1894.

ɜannon.—At South Devon and East nwall Hospital, Plymouth, on January Mr. Herbert Henry Cannon, formerly Penzance, pharmacist at the hospital. Cannon qualified in 1902.

ɜuttiford.—On May 14, 1948, Mr. liam Frederick Cuttiford, M.P.S., 193 gworthy Road, Pendleton, Lancs. Mr. tiford qualified in 1904.

ʌarrow.—A former colleague writes:—was a sad surprise to read in The mist and Druggist (January 29, p.) that Mr. A. E. Farrow, Monksfield, dling, Maidstone, had passed away. Farrow was a member for many years the old Kent Pharmaceutical Com-ee, but lately had lived in semi-retire-t. I recall a very enjoyable visit to home at Sandling. What a lovely len he had to be sure! No wonder spent so much of his time there; but was not his only interest. His great ɔy was the collection and repairing locks, of which he had a wonderful ety. Though he had an excellent kroom for his repair work, one came ss clocks of every description all over house. The occasion of our visit was long-promised visit to Kit's Coty se, a prehistoric treasure adjoining fine view, Bluebell Hill. The trip, e by car, also involved a certain unt of walking, but our friend, as he ıted up the hillside, showed himself of vigour. Mr. Farrow was a good macist, and a man whose memory we always cherish.

Howard.—On January 20, Mr. Arthur Howard, The Little House, Norman Avenue, Abingdon, Berks, aged seventy-eight. Mr. Howard qualified as a chemist and druggist in 1892 and passed the Pharmaceutical Chemist examination the following year.

Lowe.—On January 29, Mr. John Had-field Lowe, M.P.S., 110 Park Drive West, Blackpool, a director of J. H. Lowe & Son, Ltd., chemists, 86 Promenade, Blackpool. His business, established in 1850, is prob-ably the oldest in the area of the Blackpool Branch of the Pharmaceutical Society. Mr. Lowe served his apprenticeship with Mr. W. C. Richardson at the pharmacy which he finally owned, and qualified in 1902. After a period of two years with Squire & Sons, Ltd., Oxford Street, London, he returned to Blackpool to go into partner-ship with Mr. Richardson, from whom he took over full control in 1907 Mr. Lowe was president of the Blackpool Branch of the Society in 1929, a prominent Rotarian, and a member of the Central Methodist Church. He was a pharmaceutical member of the Blackpool Executive Council and had been for over twenty years a member of the Blackpool Pharmaceutical Commit-tee. He is survived by his widow and son (Mr. Robert McKenzie Lowe, M.P.S.).

Pickup.—Mr. John Norman Pickup, M.P.S., 104 Water Lane, Wilmslow, Man-chester, aged fifty-eight. Mr. Pickup col-lapsed on a bus as he was returning from work at the Co-operative Emporium phar-macy department. He received his train-ing with H. M. Johnson & Co., Ltd., chemists, Adelaide Street, Blackpool, and was in business on his own account in Wilmslow for twenty years. He had for some time been in retirement from full-time business.

Smith.—On January 24, Mr. William Smith, M.P.S., superintendent of Wilson, McNie & Co., Ltd., chemists, 269 Gorbals Street, Glasgow, C.5.

Weir.—On January 8, Mr. Thomas Weir, M.P.S., Capri, Abbey Drive, Rhos-on-Sea, Colwyn Bay, North Wales. Mr. Weir qualified in 1897.

Williamson.—On January 16, Mr. Edward Williamson, 29 Merton Hall Gar-dens, Wimbledon, London, S.W.20, aged seventy-nine. Mr. Williamson was for many years in the pharmaceutical depart-ment of Guy's Hospital, London. He retired about fifteen years ago.

NEW COMPANIES

W. R. Fenton & Co., Ltd. (P.C.).—Capital £1,000. To carry on the business of manufacturers of and dealers in soap, oils, perfumes, etc. William R. Fenton and Annie Fenton, directors. R.O.: 13 Lidget Lane, Garforth, Leeds.

B. C. Laboratory Equipment, Ltd. (P.C.)—Capital £1,000. To acquire the business of laboratory furnishers. Linn D. Barringer and George F. Cooper, directors. R.O.: 14A Selborne Road, Hoe Street, London, E.17.

F. Maltby & Sons, Ltd. (P.C.).—Capital £5,000. To carry on the business of chemists and druggists, etc. Edith M. Maltby, John H. Maltby and Geoffrey F. Maltby, directors. R.O.: 46 Silver Street, Lincoln.

Coraline, Ltd (P.C.).—Capital £100. To adopt an agreement with the liquidator of Coraline Co., Ltd., and to carry on the business of herbalists and vendors of herbs, herbal remedies, medicines and toilet requisites, etc. Fred H. Patterson, director. R.O.: The Laboratories, Monkseaton.

Albert Enock, Ltd. (P.C.).—Capital £1,000. To carry on the business of chemists, druggists, opticians, dealers in photographic supplies, etc. Albert E. Enock and Esther M. Enock, directors. R.O.: 110 Yardley Road, Acocks Green, Birmingham.

Daniel Devon (Reagents), Ltd. (P.C.).—Capital £100. To carry on the business of manufacturing chemists, manufacturers of and dealers in hairdressing preparations, soaps, disinfectants, etc. Daniel Devon, director. R.O.: Napier House, 24 High Holborn, London, W.C.1.

T. Kempston & Co. (Private Chemists), Ltd. (P.C.).—Capital £3,100. To carry on the business of chemists, druggists, opticians, etc. Herbert F. Simnett, M.P.S. and Gordon Beaton, M.P.S., directors. R.O.: 39 Grosvenor Gardens, London, S.W.1.

Ph-Entex Supplies, Ltd. (P.C.).—Capital £1,000. To carry on the business of importers and exporters of and dealers in perfumery, toilet powders and requisites, etc. Norman S. Tappenden, Lynton, Enfield, Middlesex and Robert J. Sexton, directors. Ph-Entex Products, Ltd., have the power to nominate three permanent directors. R.O.: Ipswich Road, Trading Estate, Slough.

Chillcott & Parr, Ltd. (P.C.).—Capital £1,000. To carry on the business of manufacturers of and dealers in rubber caps, stoppers and closures for bottles, phials and other containers, used in connection with insulin, vaccines and sera, plungers and stoppers in use by the chemical, pharmaceutical and allied trades, workers in rubber, etc. Alfred W. Chillcott, Stanley A. Parr, John Russell and William J. Harrison, directors. R.O.: 304 Latimer Road, London, W.10.

Kirkham Investment Trust, Ltd. (Public Company).—Capital £1,475,000. To acquire that portion of the undertaking, property, assets and liabilities of Brotherton & Co., Ltd., which is to be transferred under a scheme of arrangement and reconstruction and to carry on the business of an investment and trust company, etc. Bertram L. Ratcliffe, George Brotherton-Ratcliffe, John Barrie, and Thomas B. Simpson, directors. R.(City Chambers, Infirmary Street, Leeds.

Brotherton & Co., Ltd. (Public Company Capital £1,275,000. To acquire the undertal and assets of and assume the liabilities of Brot ton & Co., Ltd. (incorporated in 1902), ex that part contained in a scheme of arrangen and reconstruction dated October 13, 1948, wl is to be transferred to the new investment c pany referred to therein and to carry on business of chemical manufacturers and distil etc. Bertram L. Ratcliffe, George Brotherton-I cliffe, George Brearley, Lawrence Weaver, Ed D. Whitelock and George J. Denbigh, direct R.O.: City Chambers, Infirmary Street, Leed

Company News

Aspro, Ltd.—The interim dividend is maintai at 15 per cent.

Ilford, Ltd.—Lord Milford has resigned f the board. To fill the vacancy Lord Rockley been appointed a director.

Gale, Baiss & Co., Ltd.—Biddle, Sawyer & (Ltd., have acquired an interest and Messrs. H. Berens, B.A., F.C.S., A. T. Williams and A. Cave have joined the board.

Idris, Ltd.—Net profit for the year ended O ber 31, 1948, after provision for depreciation tax (including profits of subsidiary companies thirteen months ended October 31, 1948) amou to £28,830, against £11,942 in the previous y Recommended dividends are 10 per cent. or and B ordinary shares and 5 per cent. on foun shares, the same as in 1946-47.

Camwal, Ltd.—Net profit for the year en September 30, 1948, after provision for depr tion, amounted to £34,062, against £17,818. ordinary dividend of 10 per cent. is recommen compared with 7½ per cent. paid in the prev year. £10,000 is to be placed to general res against £6,000 in 1946-47. Messrs. M. Daven and A. L. Foster, the retiring directors, offer th selves for re-election.

BUSINESS CHANGES

Rudge Roberts, Ltd., wholesale chem Shrewsbury, have removed to the Lion Shrewsbury.

The business at 3 High Street, Bruton, Sor set, which was acquired in May 1948 by J. A. D. Adams, is now trading as J. A. D. & Adams.

A. E. Stannard, Ltd., manufacturing chem have removed to larger factory premises at Fl Hampshire. Until further notice, however, communication should be addressed to the c pany's offices at Tadworth, Surrey (Telepho Burgh Heath 2318).

Evans Medical Supplies, Ltd., Speke, Li pool, 19, have appointed Mr. R. H. Hawk M.P.S., one of their representatives in New land. Mr. Hawkins was formerly a medical resentative for the company in the Birming area; he sails for New Zealand early in Februa

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

H. W. Bowden asked the Minister ood on January 24 if there was an lement to milk at reduced prices in ct of babies who were being fed on rietary brands of patent foods. "No," cd Dr. Edith Summerskill (Parliamen- Secretary).

id Paraffin in Bread ?

R. De La Bere asked the Minister of on January 24 whether he was aware medicinal paraffin, "which some rs are using in bread," adversely affec- nd injured people with weak stomachs, what steps he was taking to ensure it is not so used in future? Mr. Strachey replied that he had not l of any baker using medicinal paraf- s an ingredient in bread, and asked etails.

hase Tax on Medicines

r Thomas Moore asked the Chan- r of the Exchequer on January 25 were the approximate revenues ob- d from purchase tax on medicines drugs (a) at the rate of 33⅓ per cent. November 1947 to April 1948, and t the rate of 16⅔ per cent. from April ovember 1947. Sir Stafford Cripps, ply, estimated that about £5,500,000 rchase tax has been paid at the rate 3⅓ per cent. in respect of drugs and cines delivered by registered manufac- s and wholesalers in the period mber 13, 1947, to March 31, 1948; eceipts at the rate of 16⅔ per cent. he period April to November 1947 about £5 millions.

e Purchase Tax (Drugs and Medi- (No. 6) Order, dated December 17, , was approved on January 31. Mr. las Jay (Economic Secretary to the sury) said the Order had two objects: xtend the exemption from purchase njoyed by certain drugs under the nce Act of 1948 to include drugs or cines on the drug tariff, with the ion of seven standard medicines; and ear up a doubt that had arisen about nterpretation of Part 11 of the 8th dule (under which non-proprietary cines and drugs were exempted from hase tax). The Customs had given terpretation that if the name of the was used in the form of a trade the medicine could not be exempt purchase tax. That decision had been accepted by all firms concerned except one. The intention of the Order was to put the matter beyond doubt.

Hearing Aids

Mr. Aneurin Bevan (Minister of Health) told Mr. J. Morrison that the estimated total need for Medresco hearing-aids was 150,000. Upwards of 9,000 had been supplied since July 5.

Wrapping for Soap

Mr. Freeman asked the Minister of Food on January 26 whether "in view of the difficulties of handling it by grocers" he would arrange for soap to be wrapped. Mr. John Strachey pointed out that, from March 6, certain classes of paper would no longer be controlled under individual licences, and soap-makers would be able to place orders for paper with their suppliers.

Cost of N.H.S.

Sir Thomas Moore asked the Minister of Health on January 27 the latest estimate for the current annual cost of the National Health Service, as divided among the main branches, together with the administration costs and the estimated income from contributors.

Mr. Aneurin Bevan: A supplementary estimate of the cost of the National Health Service from July 5, 1948, to March 31, 1949, divided among the main branches, will shortly be laid before the House. The amount available towards the cost from National Insurance contributions is estimated to be £24 million for the period in question.

German Scientific Instruments

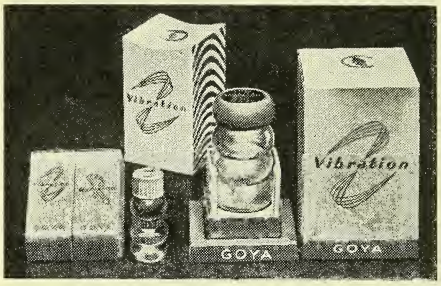
Mr. Hector McNeil (Minister of State) informed Mr. F. J. Erroll on January 26 that exports of scientific and other instruments from the Bizone of Germany in the first ten months of 1948 totalled £732,740.

Quality of Prescription Forms

Mr. W. Glenvil Hall (Financial Secretary to the Treasury) informed Brigadier Rayner that a supplementary supply of National Health Service prescription forms had been printed on slightly better paper than usual because that was the most suitable paper available at the time.

TRADE NOTES

New "Twin" Perfumes.—Goya, Ltd., 161 New Bond Street, London, W.1, have introduced two new perfumes, Decision and Vibration. Decision is a floral blend, strong and lasting, without the old-fashioned heavy sweet-sickly note. It is



suitable for day-time, afternoon and early evening use. Vibration, more sophisticated, is for evening and party use. It contains unusually large quantities of *rose de mai* and absolute oil of jasmin, and the two oils give roundness. A large-scale advertising campaign has been planned for Decision and Vibration, to commence early in March. The idea will there be stressed of using the two perfumes one after the other or even together. Supplies are available to the trade.

Chemistry of a Sulphonamide. — Sulphamerazine, the active ingredient of Cremomerazine, a preparation issued by Sharp & Dohme, Ltd., Hoddesdon, Herts, is sulphamonomethyl pyrimidine and not as stated (January 29) in "Guide to New Medicaments."

Tax Exemption. — Calogen tablets, manufactured by GENATOSAN, LTD., Loughborough, Leics, are now exempt from purchase tax.—SHARP & DOHME, LTD., West Hill Laboratories, Hoddesdon, Herts, announce that elixir Virvina is no longer subject to purchase tax.

Free Dental Advice.—In an announcement elsewhere in this issue, S. Maw, Son & Sons, Ltd., Aldersgate House, Barnet, Herts, describe a new service they are providing to purchasers of Meritor shorthead tooth-brushes. The service includes free information based on the advice of Harley Street dental specialists.

Heat Massager.—Provincial Incandescent Fittings Co., Ltd., Fifco House, Watling Street, Manchester, 4, have issued a new electric heat-massager, which is d cribed as an ideal appliance for colds, s neck, toothache, neuralgia, rheumati sciatica, sinus, aching wrists or ankles, The appliance plugs in to any A.C. or D light socket on 200-250 volts mains.

Supply Position Easier. — CORE CHEMICAL CO., Welwyn Garden C Herts, announce that full supplies are n available of Wilton Corega denture fi tive.—MONSANTO CHEMICALS, LTD., V toria Station House, Victoria Str London, S.W.1, are now able to offer creased supplies of salicylates.

Soap Supplies.—Following recent pl installations at their Ajax Works, Ha Green, Ltd., Barking, Essex, are now i position to make large deliveries of soap export. The company carries out all sta of manufacture from raw material to pac finished products, and issues its own p prietary soaps, such as Broadcast and M Drake, as well as customers' "own nam soaps.

Display Link-up.—A new merchand service operated by the publishers of "F ture Post" (Hulton Press, Ltd., 43 Sl Lane, London, E.C.4.) consists of the f provision of a cover and colour adverti ment from the paper, and tags or sti ons. The material is being sent out the merchandise department of the pa for simultaneous display at all points sale on the day on which an advertis campaign commences.

A New Anti-allergic.—Parke, Davis Co., Staines Road, Hounslow, Middles introduce Benadryl expectorant, a ra berry syrup containing Benadryl, amm ium chloride, sodium citrate, chlorofo and menthol. The expectorant which indicated in the treatment of coughs, acceptable to children on account of pleasant flavour. It is issued in bottles 4 and 16 fl. oz.

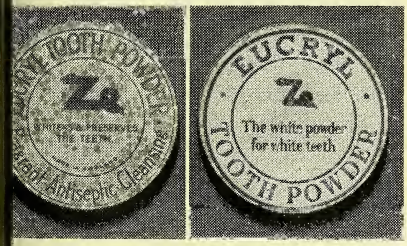
Chilblain Treatment.—Ward, Blenk sop & Co., Ltd., 6 Henrietta Place, L don, W.1, are supplying Adaprin tabl a preparation containing acetomenaphth (vitamin K analogue), 10 mgm., and ni tinamide, 50 mgm. in each tablet, for in the treatment of chilblains. The p paration is available in units of twe tubes (25 tablets), and is issued in a disp pack. Literature and show material is av able. (See *C. & D.*, January 29, p. 143.)

Absorbent Cotton Balls.—The rea made cotton balls issued by Johnson

ison (Gt. Britain), Ltd., Slough, Bucks, put forward as time and labour savers as economisers of medicaments. From . cotton-wool the makers estimate that t 200 "large" hand-made balls are luced. Twice that number of machine-e balls are produced from the same ht of cotton-wool. They are presen-ready for instant use, in bags that can eadily sterilised.

amb-dysentery Serum.—Evans Medi-Supplies, Ltd., Speke, Liverpool, 19, issuing a new concentrated lamb-ntery serum with a 2-c.c. dose in les of 50 c.c. (twenty-five doses). The entrated serum is effective against lamb dysentery and pulpy kidney ase. Evans lamb-dysentery serum 1 5-c.c. dose) continues to be avail-, and will normally be supplied un-the concentrated form is specified.

edesigned Container. — Eucryl, Ltd., hampton, have revised the design of container for Eucryl tooth powder, and existing and new designs are repro-d side by side below for purposes



omparison. A similar change has been e in the container for Eucryl denture der.

ole Agencies.—Bruce, Starke & Co., , 5 Fenchurch Street, London, E.C.3, retained the sole agency in the ted Kingdom for Heinrich Haensel-a, Holzminden, Germany, manufac-rs of terpeneless and sequiterpene-essential oils, and have become sole ts for Dragoco Gerberding & Co., minden, an associate company manu-uring soap and perfume compounds, hetic aromatics, essences, etc., are one of the leading producers in Ger-y.

onus Offers.—Richard Hudnut, Ltd., er Road, London, W.4, give details on her page of a display bonus offer in ection with four new hair beauty pre-tions issued by the company. The products (enriched creme shampoo, creme rinse, dandruff treatment and creme hair dressing) are issued separately and in a "hair beauty ritual" kit containing one each of the smaller of the two sizes in which each product is issued.—The Radiol Co., 78 Upper Richmond Road, London, S.W.15, offer for a limited period an extra 5 per cent. discount on all orders value £5 or more (excluding tax) for Radian B. Details are given on another page.

Reduced Prices.—British Cod Liver Oils (Hull & Grimsby), Ltd., St. Andrews' Dock, Hull, Yorks, announce reductions, operative from February 1, in the price of Solvitax veterinary cod-liver oil, issued in 6-oz. bottles, 16 oz. tins, 1-gall. and 5-gall. drums.—British Schering, Ltd., 167 Great Portland Street, London, W.1, have drawn up a new schedule of trade and retail prices for Albucid oral tablets, Albucid soluble eye ointment and powder, Atophan powder and tablets, Oraluton tablets, Progynon tablets, Proluton ampoules, thyroxine tablets, Urotropin powder and tablets and Veramon tablets. The new trade prices came into operation on February 1 and the prices to the public take effect on March 1. Veramon powder and tablets are not now subject to purchase tax.—In consequence of a steady increase in demand, and of a post-war improvement in manufacturing facilities, Jeyes' Sanitary Compounds Co., Ltd., Millbrook, Manor Road, Chigwell, Essex, are reducing the price of Jeyes' fluid to pre-war levels. New trade prices became operative on February 1, and a nation-wide announcement of the lowered retail prices is to be made on March 1. Increased discount terms to allow dealers up to 35 per cent. are simultaneously being introduced. The bottles will again be issued in cartons.

Proprietary Articles Trade Association

Additions to Protected List (Part 1).—*Teasdale Chlorodyne Co.* (proprietors, *Ralph Cuthbert, Ltd.*). Teasdale's brand chlorodyne, 12s. doz., tax 33⅓ per cent., inclusive retail price 1s. 9d., 28s. doz., tax 33⅓ per cent., i.r.p. 3s. 11d.

Alterations to List (Part 1).—*Bell & Sons,* Increased prices, February 1, George Bell's blood salts for dogs, nine powders, 4s. 6d. doz., tax 33⅓ per cent., i.r.p. 8d.; cat powders, 9's, 4s. 6d. doz., tax 33⅓ per cent., i.r.p. 8d.

Parke, Davis & Co. Adrenaline and Chloretone suppositories, 12's, 36s. doz., tax 33⅓ per cent., i.r.p. 5s. 6d.

Deletion from List (Part 1).—*Sibsul Sulphur, Ltd.* Sibsul skin salve and sulphur powder.

N.H.S. STANDING ADVISORY COMMITTEES

THE Minister of Health has made an Order, operative from February 1, constituting the following Standing Advisory Committees to advise him and the Central Health Services Council upon the appropriate parts of the National Health Service:—Medical, dental, pharmaceutical, ophthalmic, nursing, maternity and midwifery, tuberculosis, mental health, cancer and radiotherapy.

The members of the Pharmaceutical Standing Advisory Committee are as follows (periods of office expire on March 31 of the year shown):—

Appointed by the Minister after consultation with the Central Health Services Council:

Mr. R. H. Henriksen, M.P.S., A.R.I.C. (chief pharmacist, Dulwich Hospital) (1951).

Mr. W. J. Tristram, J.P., M.P.S. (member of Liverpool Executive Council) (1952).

Appointed by the Minister after consultation with representative organisations:

Professor H. Berry, Dip. Bact., F.R.I.C., Ph.C. (professor of pharmaceutics, University of London) (1953).

Mr. J. O. Davidson, M.P.S. (1950).

Mr. Paul Dobson, Ph.C., F.S.M.C. (1951).

Dr. P. J. Gibbons (general practitioner; member, Liverpool Executive Council) (1952).

Mr. John Gilmour, M.P.S. (1951).

Dr. C. H. Hampshire (secretary, British Pharmacopœia Commission) (1953).

Mr. J. C. Hanbury, Ph.C. (manufacturing chemist) (1951).

Mr. J. Barclay Hough, M.P.S. (pharmacist, Royal Gwent Hospital) (1952).

Mr. H. N. Linstead, O.B.E., Ph.C., M.P. (a secretary of the Pharmaceutical Society) (1953).

Mr. G. A. Mallinson, O.B.E., M.P.S., F.S.M.C. (secretary, National Pharmaceutical Union) (1952).

Mr. D. E. Sparshott, M.A., M.P.S. (1952).

Professor E. J. Wayne (professor of pharmacology; member of Sheffield Regional Hospital Board and Board of Governors) (1953).

The *Secretary* of the Committee is Mr. F. F. Marchbank (Telephone: Victoria 8540, extension 353).

Health Centre Committee

The Central Health Services Council has appointed a committee to consider and make recommendations on the lines along which health centres should develop under Section 21 of the National Hea Service Act. The committee, under chairmanship of Mr. F. Messer, C.B. J.P., M.P., includes one pharmacist, M R. H. Henriksen, M.P.S., A.R.I.C.

Health-centre Plan Turned Down

A scheme for building an experimen health centre at Stechford, Birmingha has been rejected for the time being the Minister of Health. It was to have c £38,000 and serve 27,000 people. T Minister stated that proposals for such n buildings could not be entertained at p sent, except in cases of urgency. Appro of long-term plans must await a rep from the Central Health Services Coun The chairman of Birmingham Health Co mittee told the City Council on Febru 1 that all possible steps would be tal to secure a reversal of the Minister Health's decision; he could not accept Minister's contention that the building the centre would have an adverse eff on the house-building programme and Minister had approved a London sche without waiting for the findings of committee on health centres.

Minister's Policy on Health Centres

The Ministry of Health states that lo health authorities have already been t that the Minister is, nevertheless, p pared to consider individual proposals special urgency, such as for providi health centres on new housing estates meet an immediate need and give sc for experiment). On the information s mitted, states the Ministry, there was urgency about the Stechford centre, the Minister is quite ready to consi plans for a maternity and large welf centre in Birmingham. The Minister also told the Birmingham City Cour that he is prepared to approve plans adapting nine branches of the Birmingh General Dispensary into health centres fr which family doctors would work.

Austria-Codex, 1948. — A new (t fifth) edition of Austria-Codex, publish by Osterreichischer Apotheker-Verl Vienna, has been issued. Part I is a clas fied list of proprietary medicaments cording to their purpose or compositi Part II is an alphabetical list of prepa tions with their manufacturers and an dication of composition.

LIVERPOOL'S RECORD IN PHARMACY

J. L. Hirst, in the first of three enary lectures to members of the rpool Chemists' Association and ch of the Pharmaceutical Society on ary 27, spoke on "Liverpool's Re- in Pharmacy." (The other centen- lectures are to be given by the pre- nt (Mr. H. Humphreys Jones) and by F. A. Barrie).

r. Hirst said that, when the Society founded in 1841, twenty-six chem- in Liverpool became members and t became associates. They included ert Clay, George Aspinall, George mpson and John B. Edwards. Before , attempts had been made without ess to form a chemists' association in city. On June 4, 1849, Jacob Bell essed the Liverpool chemists at a ing at which Edward Evans, sen., ded. Mr. Bell's proposals met with modified acceptance and the meeting ted the title of the Liverpool Chem- Association in preference to the Liver- Branch of the Society as it was that those closely interested in the ng, although not members or asso- s, should feel no hesitation in joining. t historical meeting marked the real nning of the oldest association of ists with a continuous history out- London, said the speaker. Robert became the first president and J. B. ards the first secretary.

t Tasks

ne of the first tasks of the new asso- on was to establish facilities for edu- n; as a result of its efforts the School harmacy first took shape and gradually ved through the years. In 1851, the sion of the Government emigration mission to insist on medicines for ernment ships being supplied by the don Apothecaries Hall was strongly sed by the Association, which en- oured to have this regulation re- ded, as it meant a loss of at least oo to Liverpool chemists, and it was sidered unfair to transfer Liverpool ness to London.

the course of his talk, Mr. Hirst rred to the following notable events:— 5: the beginning of the Association's connection with the Royal Institu- , Liverpool, where a museum and ary were established; 1857-58: success- opposition to the Government's bill to ulate the sale of poisons; 1878: elec- tric lighting exhibited to members; 1885: Mr. R. Sumner described the beneficial effect he experienced in taking solution of "hydrochlorate of cocaine" during rough passages across the Channel (he took the solution in doses equal to one grain and under its influence he had been able positively to enjoy the roll and motion of the ship in very rough seas).

Other Outstanding Dates

1885: The Liverpool Registered Chemists' Trade Association became amalgamated with the Liverpool Chemists' Association; 1889: the venerable Edward Evans, sen., became president in the fiftieth anniversary year; 1901: advertisements for Army dispensers appeared, naming the pay at 3s. 6d. per day; 1914: the first Insurance Committee was formed. Mr. Hirst said he was the only member left of the original committee, and he was still serving.

1923: Lord Leverhulme addressed the Association on "Personality in Business" before the largest attendance Mr. Hirst had ever seen. Lord Leverhulme gave the Society a capital sum for the founding of the Leverhulme scholarship; 1930: Mr. Lewis Moreton Parry (then president of the Association) was elected president of the Society and was the first member of the Association to be appointed to that office. In the same year Alderman Edwin Thompson became the first pharmacist to be elected Lord Mayor of Liverpool.

1937: British Pharmaceutical Conference held in Liverpool; 1939-40: thirty-one pharmacies closed as a result of enemy action; 1944: ordinary meetings, interrupted by the war, were resumed; 1948: Mr. H. Humphreys Jones elected president for the third time.

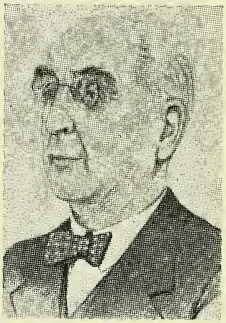
Mr. Hirst summed up his survey by stating that since 1914 the Liverpool Chemists' Association had raised over £4,000 for pharmaceutical benevolent funds. It had acted as host and organised local arrangements for four British Pharmaceutical Conferences. It had provided a president of the Society, two chairmen of the Conference, two chairmen of the N.P.U., an M.P. and a Lord Mayor of the city. Its influence had been felt at every national pharmaceutical gathering.

Mr. W. E. Humphries said the Association subscription in 1845 had been 7s. 6d. per annum and it was still unchanged—a remarkable achievement.

MR. MALLINSON TO RETIRE

The Executive of the National Pharmaceutical Union reluctan announces acceptance of the resignation, for health reasons, of N.P.U's secretary and manager. Mr. Noble succeeds him as secret

THE following letter, signed by the N.P.U. chairman (Mr. G. H. M. Graham), gives the unwelcome news that proprietor pharmacists are to lose the full-time services of one who was their champion from the inception of National Health Insurance dispensing and carried through the negotiations over the chemists' part in the National Health Service.



Mr. G. A. Mallinson

SIR,—It is with great regret that I have to announce the resignation—to take effect on March 31—of Mr. G. A. Mallinson as secretary and manager of the National Pharmaceutical Union and its allied organisations. Mr. Mallinson has been suffering from severe nervous strain for a considerable time and has been advised that a prolonged rest is absolutely necessary. He is now in his seventy-second year and feels he has no alternative but to ask that his resignation be accepted. Since the first symptoms of his present trouble began some twelve months ago, he has carried to a successful conclusion the self-imposed task of virtually completing all the N.H.S. negotiations on behalf of chemist contractors. Reluctant as they are at the prospect of losing his services, members of the N.P.U. Executive feel themselves unable to do other than agree to his request for relief from the burden which he has carried for so long. It is consoling to us, however, that his services in an advisory capacity will be retained. Mr. Mallinson wishes me to inform all his friends that his action is purely a precautionary measure against what he is advised would be inevitable unless the necessary complete rest was obtained as soon as possible.

The Executive Committee of the N.P.U. has therefore appointed Mr. H. Noble, B.Pharm., Ph.C., barrister-at-law, to be secretary and manager of the National Pharmaceutical Union and its allied organisations as from March 31, 1949.

May I, as chairman of the N.P.U., c the thought of all the members of Executive, when I say how deeply regret that, after so many years of c association with him, we are having to with our friend and colleague, George Mallinson, founder of the N.P.U. and allied organisati

(*signed*)
G. H. M. GRAH
Chairm

Mr. H. Noble

N.P.U. Secreta Since 1921

Mr. Mallin was appointed retary of t National Phar ceutical Ur when it was crea (as the Retail Ph macists' Union) 1921, following decision — in well-known Jer case—the effect of which was that Society was debarred from acting the business of pharmacists. Previo he had been, since 1916, superintend of the National Health Insurance partment of the Pharmaceutical Soc and, since 1918, assistant secretary the Society. He secured that posit by outstanding work in Manchester behalf of his fellow pharmacist-c tractors under the N.H.I. Act in t area as secretary of the Manchester Ph maceutical Association. It may be tr claimed that he was the author and ar tect of the N.P.U., both in its handling the affairs of chemist-contractors and the many ancillary activities the N.P embarked upon in its development—act ties that have been fully described in th columns on previous occasions.

The Incoming Secretary

MR. H. NOBLE, B.Pharm., Ph.C., bar ter-at-law, the new secretary, became as tant secretary of the Chemists' Defe Association in 1940 and was appoin deputy secretary of the N.P.U., C.D. Chemists' Mutual Insurance Co., Ltd., a Chemists' Sickness and Provident Soci in 1946.

C.F. MANUFACTURERS' LUNCHEON

thirteenth annual luncheon of the facturers' Section of the Chemists ation was held in London on Thursanuary 27. Mr. R. Campbell Feather lent) was in the chair, and was sup- by Messrs. P. H. Smith (vice-presi- W. J. Tristram, J. B. Bohn, F. J. I. V. L. Fergusson (past presidents), Brook (chairman, Propaganda Com-), Mr. E. W. Godding (chairman, Standards Committee), and by . E. A. Brocklehurst, S. M. Lennox, Kinnear, N. Dewey, C. H. Jones, Smith, J. Hearle, S. J. Stearn, A. nan and W. W. Knott (members of il) and L. Boon (honorary trea- with Mr. R. H. Kemp (secretary). g the many guests were Dr. C. H. shire (secretary of the Pharmaco- Commission), Dr. Charles Hill (sec- British Medical Association), Mr. . Shaw (president, Pharmaceutical y of Great Britain), Mr. G. H. M. m (president) and Mr. G. A. Mal- (secretary), N.P.U., Mr. S. W. (president) and Mr. H. E. Chap- (secretary), P.A T.A., Mr. E. Cripps man, National Rose Hip Associa- Mr. C. A. O. Rideal (chairman) and . W. Robinson (secretary), A.B.P.I., . C. Acheson (chairman) and Miss Strachan (secretary), Northern Ire- C.F. Committee. Representatives of ational Pharmaceutical Union execu- resent included Messrs. D. A. Bryan, einman, J. F. McNeal, H. H. Mar- and D. W. Hudson.

. W. J. Tristram proposed the toast Guests" and extended a warm wel- which, he said, was more than a mere lity, to the many and distinguished . Mr. Tristram said they were ired with the company of a ighly representative gathering of the s of all sections of pharmacy and the trade, which reflected a steadily grow- nterest in the activities of the Che- Federation. They were very pleased ve with them Drs. Hampshire (secre- Pharmacopœia Commission), and Hill tary, British Medical Association).

. H. C. Hampshire, replying, said of late he had not had many oppor- es of contact with the business side armacy, but he had learnt to appre- the value of the C.F. movement. Al- h not a member of C.F., he was "a of the chemist." Pharmaceutical alities, said Dr. Hampshire, have a place in our public life, and they should be handled by people who understand and appreciate them. The primary object of the rules governing C.F. was, he understood, the protection of the public interest; it was an object that merited support.

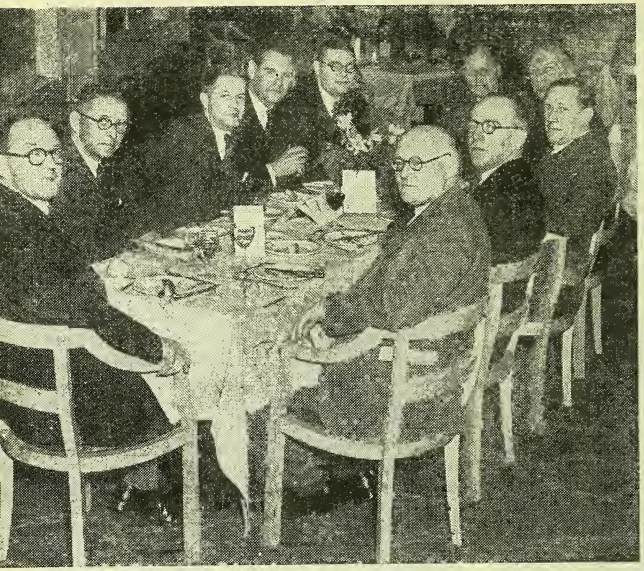
Relations With Medical Profession

Dr. Charles Hill, proposing the toast "The Federation," said he had studied the literature which the secretary of the Federation had sent him and from these documents he had learnt a good deal which was commendable about C.F. On current matters, Dr. Hill said N.H.S. was proving an ever-growing burden to doctors and a blessing to chemists, but he had misgivings about the possibility of the extension of State control. It would, he thought, be much better for all concerned if the profession and the trade themselves assumed the responsibility of public bodies rather than have an extension of control by the State. On this vital matter, said the speaker, "the utmost vigilance is demanded of us all." Referring to C.F., Dr. Hill said there was ample room to extend the activities of the Federation by closer relations with the medical profession.

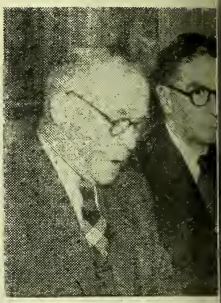
Mr. R. Campbell Feather (president), replying, thanked Dr. Hill for his kind remarks on their efforts. "In the annals of C.F., 1948 will be recorded as "the Standards year." During the past twelve months the Standards Committee has examined all the preparations on the C.F. list; has eliminated a few unacceptable ones and has taken steps to ensure that no extravagant claims are made for the articles on the list. Our standards may seem modest, but they are in practice applied with great sincerity. Not only do we check the press advertisements, but also the literature packed with the article and the efficacy of the formula. During my year of office, I have received, at all times, most enthusiastic support from all officers of the Federation. To them and to the chairman of the Standards and Propaganda Committees, I should like to express my thanks."

Mr. G. A. Mallinson (secretary, N.P.U.) paid a tribute to Dr. Brook, a pioneer member of C.F., who had tendered his resignation. He had been a staunch supporter throughout and had done much good work in formulating the "Standards" as they were to-day. Replying, Dr. Brook said it had been a great pleasure to work with the members of C.F.

CH



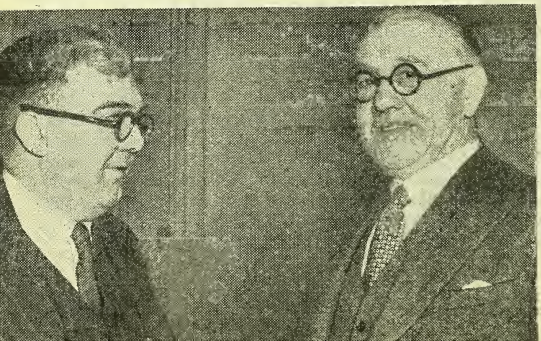
Group includes Messrs. F. McNeice, F. Armstrong, H. Lee, J. R. Bowden, R. Symonds, M. F. Bellamy, D. Wilsdon, S. G. Stevenson, D. W. Hudson and W. W. Knott.



Mr. H. Clement Shaw (p dent, Pharmaceutical So with Mr. W. J. Tristr

Left: Mr. J. C. Acheson (chairman, Northern Ireland C.F. Committee) with Miss A. E. Strachan (secretary).

Above: Messrs. S. W. Hague (president, Proprietary Articles T Association), H. H. Marshall (a member of the Execu N.P.U.) and F. J. Smith (a past-president of C.F.). Below, G. A. Mallinson (secretary, N.P.U.) with Mr. C. A. O. R (chairman, Association of British Pharmaceutical Industry)



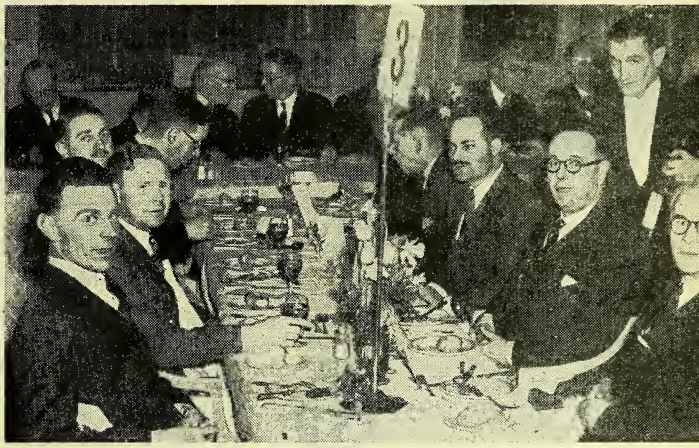
At left: Dr. Charles Hill (secretary, B Medical Association) with Dr. C. H. H shire (secretary, Pharmacopœia Commis

Manufacturers at Lunch

. C. Feather an, Chemists ederation).

H. Smith (vice-ident of the ederation).

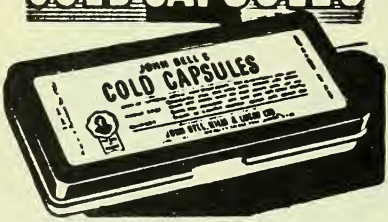
R. H. Kemp retary of the ederation).



Group includes Messrs. D. O. Drake, A. Chamings, G. E. Somerset, R. H. Macnab, A. J. Dermot, H. Surfleet, G. Lloyd Thomas, J. H. Fingerhut, A. H. G. Nunnery and N. Dewey.

Group below includes Messrs. L. F. Fitch, W. Scott, H. M. Barton, R. P. Small, T. C. W. Wood, N. Martin, E. Pedley, H. H. Marshall and J. Hearle.

JOHN BELL'S COLD CAPSULES



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VOL. CLI FEBRUARY 5, 1949 No. 3598

On Our Way to Somewhere

THE heavy artillery brought up by the secretary of the National Pharmaceutical Union (see *C. & D.*, January 15, p. 75) against the trade-union side of the Joint Industrial Council is entirely capable of achieving its immediate object. Employees outside the unions will be confirmed and strengthened in their reasons for not joining. We have ourselves not failed in the past to point out that the T.U.C.-affiliated unions, adept though they may be at advancing the interests of shop workers as such, fall woefully short of promoting the professional interests of pharmacists. In that field the unions are, indeed, almost bound to fail, first because, on past showing, they do not appreciate that pharmacists have problems arising directly from their qualification and unshared by other shop workers, and secondly because the unions have a preponderance of unqualified members who might, understandably, have something to say if conditions for pharmacists soared above those of shop assistants in general.

However, there is reason to doubt whether, at the present time, a blow at the unions is in the best interests of pharmacy as a whole, or the smooth working of the public pharmaceutical service, for it also entails sacrificing the J.I.C. wage agreement (whatever the shortcomings of that agreement may be). For it seems most likely that the unions will stop short at giving notice to terminate the contract, and the lines of action they may decide (or be driven) to adopt could easily occasion new stresses and strains within pharmacy, such as employees and employers alike would regret.

"Fair Wages"

What are the possibilities we have in mind? At the start let us give a reminder that, although a voluntary agreement, the J.I.C. wage scale is linked with the "fair wages" clause of the N.H.S. contract. If there is no agreement there is no basis for the clause. Yet, from the point of view of the Government, which had the clause inserted, there has to be such a basis. If, then, the Joint Industrial Council ceases to function, the way is opened, if the initiative is correctly taken by the right people, for official action. The Government might act by reference, perhaps, to an industrial court, or to a specially appointed commission of inquiry. Either way the next step could easily be the establishment of a statutory Wages Council or Board not only with power to enforce wage rates, but with other powers that have hitherto in the practice of pharmacy been jealously guarded by pharmacists as being functions they should themselves control.

It is possible that that prospect in no way deters or dismays the trade unions, which are accustomed to the idea of taking a hand in matters of training, recruitment, and the rest, in other occupations. But the unions, though they do not disclose their membership, number within their ranks, we believe, only a small proportion of qualified employees. Not only are the majority of their members—even in the so called pharmaceutical section—unqualified, but the overwhelming majority of qualified employees are, to the best of our information, outside any union. That is why it is most essential that they should acquaint themselves with all that is implied in the actions the unions are claiming to take on their behalf. (In parenthesis, may we hope that the new local organisation of employee pharmacists at Harrow (*C. & D.*, January 29, p. 131), though it disclaims any intention to concern itself with wages, will spare some thought to these questions, and that employee members of the Pharmaceutical Society in other areas will get together for similar discussions?)

Proprietors' Interest

But, if the unorganised employees might have cause to deplore too close a Government interest in their domestic affairs, still more would such attentions prove unwelcome to the employers. It is acknowledged that the National Pharmaceutical Union is strong enough to stand firm in its attitude on the J.I.C. wage scales and to come out victorious on that issue. But what if its success should set in train those other possibilities to which we have referred? Would it not be better to make certain that the control of conditions in pharmacy is kept within the competence of the craft itself? We think it would. At the same time, we would welcome moves to make the National Joint Industrial Council for Retail Pharmacy as representative of *all* employees as it is of close upon 100 per cent. of proprietor pharmacists.

Dispensing Packs Tax-free

In future (from May 2), dispensing packs of many drugs, even though they bear a trade mark, are to be exempt from purchase tax (see p. 181), provided they satisfy the requirements in other respects. The drugs affected are those consisting solely of one or more substances described in a monograph of the British Pharmacopœia, the British Pharmaceutical Codex, the National (War) Formulary, the Drug Tariff or a National Health Service formulary. Such packs may be supplied only to pharmacists, to institutions (e.g., hospitals, clinics, nursing-homes) at which human ailments are treated, or to doctors, dentists and veterinary surgeons. Details of the three types of pack normally to be approved are given on p. 181. When the original conditions for exemption were introduced in 1948, they were criticised on the ground that the "no-trade-mark" requirement acted to the prejudice of manufacturers who had made valuable contributions to therapeutic research. If they wished to avoid paying purchase tax, such firms were denied one of their more obvious rewards—the exclusive use of designs and symbols associated with their products. The point of view was appreciated by the Treasury, but the difficulty was to find a "formula" that would allow products usually supplied on prescription to issued tax free, though bearing a tr mark, without opening the door of tax emption to a whole range of products r mally advertised and sold direct to public. The new order, which provides solution, is in effect a graceful gesture the manufacturers. As the Government self is now the largest buyer of dispen medicines any payment of tax on bran medicines (had manufacturers chosen continue to use their brand marks) wo have amounted to no more than a bo keeping transaction between Governm departments, making the nation's bill medicine appear artificially high. So l as the Government insists on distinguishi for tax purposes, between medicine p scribed by a doctor and medicine bou direct by the public, the new Order se its purpose and will be welcomed by manufacturers concerned. The larger p ciple—that medicines of all kinds ou to be free of purchase tax—remains to accepted by the authorities.

A PHARMACIST'S ANTHOLOGY

It appears that Liza [Lehmann] staying with her sister and her broth in-law in the country, and was c pelled one day to come to Lond She complained to Barry Pain that felt lifeless and weak. He recommen her to go to a chemist and get Phosferi and she promised to do so. In the tr she met Maude Valerie White. Liza formed her that she felt "run dow and Maude White said she was feel exactly the same. "Well," said I very confidently, "it's all right, beca Barry has given me the name of a m cine that will cure me at once. You l better get some. It is called — er — — oh, I know — Chlorodyne." Ma White declared she would get some mediately they reached London. At station they parted and met again following week. "Oh, Liza," s Maude White, "how clever your broth in-law is! I took the Aspirin he rec mended you to take, and it cured me once." "But, my dear Maude," repl Liza concernedly, "it wasn't Aspirin told you; it was Owbridge's Lung Ton

From "Variations on a Perso Theme," by Landon Ronald.

TAX EXEMPTION OF DISPENSING PACKS

Trade Mark Restrictions Relaxed

Treasury has made the Purchase Tax 1) Order, 1949 (S.I., 1949, No. 46) npting from purchase tax certain drugs medicines even when put up under rand name or trade mark when the mmissioners of Customs and Excise are fied that they are put up for dispens- and will be used only for that pur-. The exemption applies to goods vered on sale, or appropriated to retail e or similar purposes, on or after May For sales by registered to unregistered ons the exemption applies to goods ally dispatched on or after May 2 pective of the date when the contract ale was made or the goods invoiced.

he exemption applies to drugs and medi- s which are not toilet preparations which comply with the following con- ons:—

) They must be substances described in official monographs and formularies or Ministry of Health Drug Tariffs named Purchase Tax Notice No. 78M, as nded, or mixtures of such substances, must be in a container on which is spicuously written the official name, of the substance or substances.

i) It must be shown to the satisfaction he Commissioners by the nature of the ls (or their get-up, or of both the ls and their get-up) that the goods (or goods in a particular get-up) will only supplied to—(*a*) an authorised seller oisons; (*b*) a hospital, infirmary, health re, dispensary, clinic, nursing-home or r institution at which human ailments treated; or (*c*) a duly qualified medi- practitioner, a registered dental practi- er, or a registered veterinary surgeon practitioner.

ii) It must be shown that the goods be used only for dispensing prescrip- s of a duly qualified medical practi- er, registered dental practitioner or stered veterinary surgeon or practi- er.

v) The goods (or their get-up or both) t be clearly marked with such writing in such other special manner as the nmissioners may require (see below).

rovided the above conditions are satis- the goods may be put up under a d name or trade mark without in- dating the title to exemption from tax, the goods themselves may be trade ked. Exemption from tax is condi- al on the Commissioners being satisfied either that the substance itself is of a kind supplied to the public only on the prescription of a doctor, etc., or that the substance will not be sold across the counter to the public in the get-up in which it is supplied to the pharmacist, etc.

Approval of Packs

The following types of pack will normally be approved:—

CLASS A.—Packs of any size containing a qualifying substance which the registered supplier does not put up for ordinary retail sale but supplies only for dispensing, e.g., drugs which are in ampoules and drugs which may legally be sold to the public only on prescription (viz., Dangerous Drugs and Fourth Schedule poisons).

CLASS B.—Packs of a qualifying substance of sizes greater than the largest pack of that substance put up by the registered supplier for ordinary retail sale.

CLASS C.—Packs with two or more inner containers of a qualifying substance, the inner containers bearing no marks or writing other than any of the particulars required or permitted by the provisions of Notice No. 78M, provided that a similar multiple pack is not available for ordinary retail sale (this provides for substances which it is the practice to dispense in original containers (e.g., sterile eye ointments and effervescent tablets); the outer container only, which will not reach the public, may bear the brand name or trade mark).

Containers or labels which bear brand names or trade marks must be conspicuously and indelibly marked with the words FOR DISPENSING ONLY in distinctive colouring. In addition the following legend must appear conspicuously on the container:—*Contents to be supplied to the public on prescription only. Supplied free of purchase tax solely on this understanding.* The legend, but not the words FOR DISPENSING ONLY, may be omitted from very small containers on which it is impracticable to show it, provided such containers are supplied to the pharmacist, etc., in outer containers on which both the words and the legend are properly shown.

A person registered for tax who proposes to put up goods for supply tax-free within the terms of this exemption should obtain the written approval of the officer of Customs and Excise for his premises to the get-up and marking of the

types of dispensing packs which he proposes to adopt for each kind of goods (e.g., liquids, tablets, ointments, etc.). After official approval has been received the trader should furnish the following particulars to the officer:—(i) The trade name of each preparation to be supplied in the approved types of dispensing packs; (ii) details of the size of pack to be used for each preparation, specifying whether within Class A, Class B or Class C as defined above. A registered person who "puts up" dispensing packs must notify all the details under (i) and (ii) above, in duplicate, to all other registered persons to whom he proposes to supply the dispensing packs. A registered person merchanting dispensing packs not of his own manufacture should send a copy of the manufacturer's notification received from each supplier to the officer of Customs and Excise for his premises. If he proposes to supply other registered persons with dispensing packs not of his ov manufacture he should also forward all such persons two copies of the not cation he has received from the manufa turer.

Before supplying dispensing packs ta free to unregistered persons, register persons must satisfy themselves that t purchaser falls within one of the approv categories, and that the purchaser's ord written or oral, indicates that dispensi packs are required. The sales invoice a duplicates, and the relative accounts, m show either the trade name of the prepa tion or the name of the manufacturer a the words "dispensing pack" or a su able abbreviation. The Commission may require manufacturers and wholesal who are registered for tax to discontin the supply of exempt dispensing packs any person who disposes of them witho prescription, except to purchasers in t approved categories.

SUNDERLAND PRIZE DISTRIBUTION

THE first pharmacy department speech day to be held by Sunderland Technical College took place on January 12, the principal (Mr. D. A. Wrangham) in the chair. The audience included former students and practising pharmacists from a wide area of the North of England. DR. J. M. ROWSON (head of the pharmacy department) said the majority of students now aimed at the higher qualifications of Ph.C. or B.Pharm. During the session two postgraduate courses on the structure and uses of modern synthetic drugs had been attended by sixty-five pharmacists. Considerable extensions had been made to the laboratory accommodation and additional members appointed to the teaching staff. Seven research investigations were being carried out in the department. He thanked the officers of local branches of the Pharmaceutical Society and the directors of wholesale companies who had donated prizes. The first award had been made of the Winch scholarship (to commemorate the late Miss H. C. M. Winch, first lecturer in pharmacy in the college).

Prizes were then distributed by Mr. G. E. Trease (reader in pharmacy, University of Nottingham) to the following:—

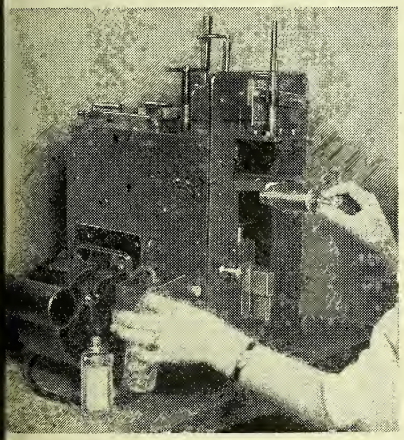
Second year course: Durham County Branch Chairman (1947-48) prize (pharmaceutics), Mr. A. K. Gales; Newcastle Branch prize (pharmaceutical chemistry), Mr. G. D. Fairweather; Sunderland Branch Chairman prize (pharmacognosy and physiology), Mr. G. D. Fairweathe prize for best student of year, Mr. A. Gales; Bleasdale prize for "runner-u Mr. W. T. Lee.

Third year course: Wilkinson & Sim son prize (pharmaceutics), Mr. T. Litchfield; Tees-side Branch prize (ph maceutical chemistry), Mr. T. W. Lit field; Hall Forster prize (pharmacogn and physiology), Miss T. M. Carr; pr for best student of year, Mr. T. W. Lit field; Sydney A. Gamlen prize for "ru ner up," Mr. A. Hickson. The Hope M. Winch scholarship was awarded to M G. D. Fairweather.

MR. TREASE, speaking on "Rece Trends in Pharmaceutical Education outlined the new regulations for the So ety's Qualifying examination. He endors the policy of permitting one year's po examination apprenticeship as an alt native to two years served before atten ing college. He had found the kno ledge of pharmacy and dispensing sho by apprenticed students regrettably lo such basic training, which had forme been acquired during apprenticeship, n had to be imparted during the inadequa time of the college course. He contrast the requirements for pre- and post exa ination training in continental countr with those in Britain and the U.S Students' academic work, he said, shou be supplemented by concurrent practic work in a hospital, laboratory, etc.

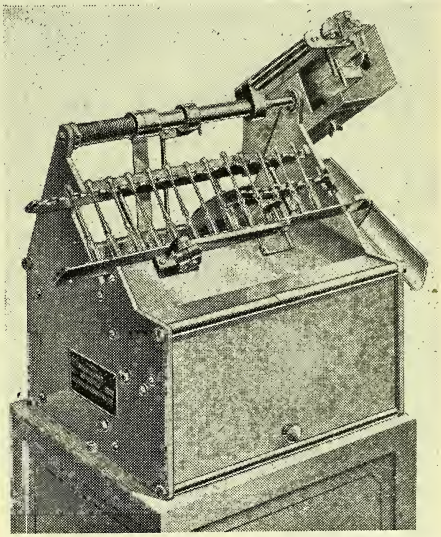
INSTRUMENTS, MACHINERY AND PLANT

Compact Labelling Machine. — The est model of the Newman labeller, illus- ted, gums and affixes labels of any pe to bottles, jars, cartons or other ntainers with an accuracy and speed obtainable by hand. The machine, ich is manufactured by D. Trapow & ., Ltd., 113 Regent's Park Road, Lon- n, N.W.1, accommodates labels from x ½ in. to 3½ x 3½ in., is silent operation and easy to feed. Containers ccurately placed in the machine are tomatically rejected. The labels are plied cleanly, without traces of gum vond the edges of the labels. The chine may be operated at speeds up to o doz. per hour, and each machine is cked by a twelve-months' guarantee. A



ling device, printing up to six letters numerals on the backs of the labels, n be fitted if desired. Motor and starter e self-contained and the machine is read- transportable from one bench to an- ner.

Spicule-free Ampoules. — The latest npoule-cutting machine introduced by ne Automatic Weighing & Packing achine Co., incorporates special devices r preventing spicules of glass from enter- g the ampoules when the vacuum is bro- n, a trouble it has been difficult to avoid the past either on the machine or when nd-cutting. The ampoules are fed on a moving rack which takes them along ge by stage. At the start they are pre- ated and pre-pierced to release the cuum. They are then taken along to e scoring wheel, which is set at the cor- rect height for breakage, and finally are picked up by an arm with fingers adjusted to the size and taken against a stationary



cam which breaks them off, passing the waste down one chute and the cut am- poules down another. The machine is ad- justable for ½ to 5-c.c. quantities, and can be changed over from one size to another in a few minutes. Speeds of forty to forty- five per minute are easily maintained.

Automatic Printer.—The Graber 5½ in. automatic printer, designed by Ellis Graber, and made available again to the trade by Kodak, Ltd., Kingsway, London, W.C.2, is a combined photographic and letterpress printer which exposes 5½ in. wide photographic paper strip, imprints it on the reverse side with the required word- ing, and cuts it by means of an adjustable guillotine into strips of one, two, three or six cards ready for processing. The printer is designed for use in a darkroom under bromide paper safelighting. Using 300-ft. rolls of bromide paper, single or double weight, the machine prints 3¼ x 5¼ in. pic- tures on 3½ x 5½ in. cards at a rate of up to 1,500 per hour. The picture area can be masked to suit the user's requirements. The machine is furnished with a rubber stereo for printing the word postcard, which may be easily changed for other type mat- ter. Exposure is made by a standard 60- watt pearl lamp.

HALF-CENTURY OF "TWENTY MULE TEAM"

Borax Consolidated, Ltd., celebrates its fiftieth anniversary

PERHAPS a unique and certainly a a most colourful British chemical enterprise — Borax Consolidated, Ltd., London—passed its fiftieth birthday during January. Within that half-century the company's Twenty Mule Team trade mark, familiar to all pharmacists, has become world-renowned; it symbolises and commemorates early difficulties in pioneering and exploiting deposits in Death Valley, California, U.S.A. The original twenty-mule team, hauling twenty tons of mineral on each trip, was piloted by "Borax Bill" Parkinson, an accomplished muleteer, across 160 miles of alkaline desert, in temperatures ranging between 136° and 150°F. Those extreme conditions, in a valley where the annual rainfall averages only one inch, live on in names like Funeral Mountains, Furnace Creek, Bad Water Creek and the Devil's Golf Course. Nevertheless, though Death Valley claimed many victims among would-be pioneers between 1849 and 1880, it was and remains a geographical feature of impressive beauty, well deserving to be taken over, in 1933, as a National Monument of the United States.

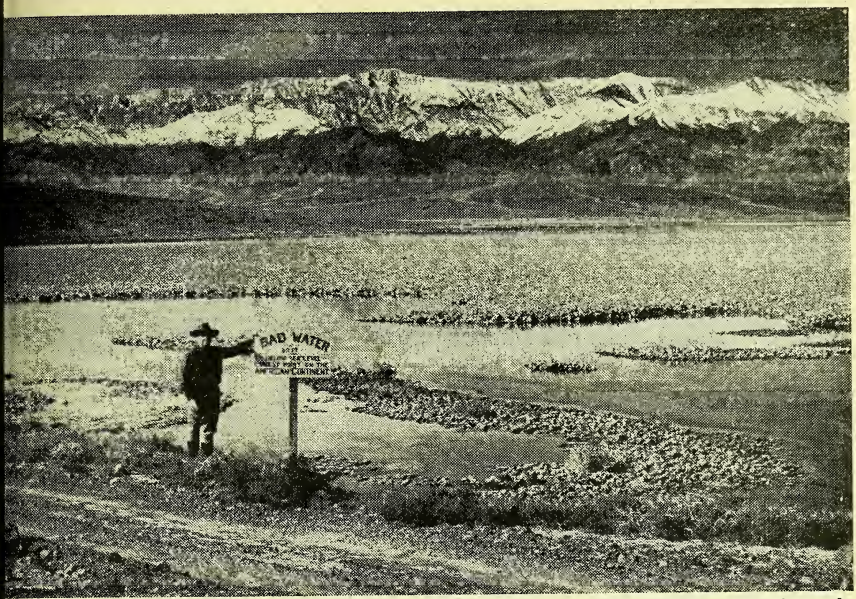
"Borax Bill" Parkinson

"Borax Bill" had his own—highly successful—methods of handling the mules. When the animals were recalcitrant, he would brake the wagon and speak well-chosen words in the ear of each in turn.

At a later stage a light railway constructed to link the mineral source Death Valley with the transcontine railhead at Mojave, and the wagon j ney became obsolete. The light railwa its turn fell out of use in 1926, when posits of soluble borax-containing mi (named Rasorite after their discovere Kernite from their geographical or were located in Kern County, Califo 150 miles nearer the coastal refiner Wilmington. As a consequence, the D Valley workings were abandoned. The source made possible much more econ cal refining; the price of borax was hal and borax and boric acid entered upo era of large-scale industrial developmen

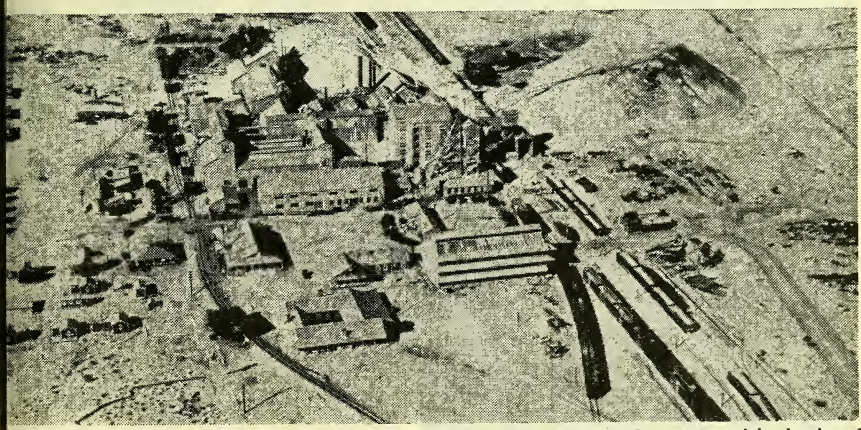
A British Company

The remarkable feature of this en prise, operated in the Far West of United States, is that it is British. B Consolidated, Ltd., was formed in Lon in 1899 by an amalgamation of inte brought about by the late Mr. R. Baker, managing director of the comp until his death in 1937 at the age seventy-nine, and by Mr. James Gerst sen., who, though now retired, is active in capacity of consultant. Bes the mining plant at Boron (the towns takes its name from the company's p ducts) Borax Consolidated, Ltd., ow through its U.S. subsidiary, the Pac Coast Borax Co., the largest borax refin in the world at Wilmington, Califor Since its inception, the company has fined in England substantial quantities borax and boric acid from its own ported mineral. The industry as a wh has expanded from a world output from sources, in 1899, of something like terms of boric oxide) 20,000 tons, to total of 153,400 tons in 1947. Of t quantity 95 per cent. came from Ca fornia. Since borax contains 36.5 per ce boric oxide, the 1947 figure is seen to equivalent to 420,000 tons of borax.

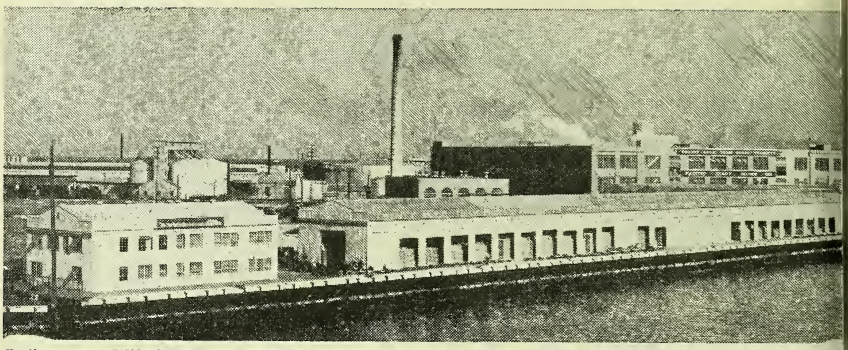


Water Creek, Death Valley, California (from which formerly boron minerals were mined by the company), now a National Monument of the United States.

fty years ago borax and boric acid chiefly employed in medicine, pharmcal products, food preservatives, gold ing, and—to a small extent—in jewel- enamels and rare pottery glazes. ay, over twenty major industries rely borax and boric acid in quantity, hat, although pharmaceutical demands in fact increased, they are now relatively of minor importance by comparison with those of other industries. The most notable developments have been in the ceramic field, where boron products are being used in a wide range of technical, optical, and container glasses, vitreous enamels, pottery and chinaware glazes. These applications, in fact, account for approximately one-half the current world



ning plant over the soluble borate deposits at Boron, California. From Boron the calcined mineral is shipped by rail to the refinery at Wilmington.



Refinery at Wilmington, California, at which Twenty Mule Team products are prepared for dis to U.S. or overseas destinations.

consumption of boron products. A notable post-war development in the United States has been in the pre-fabricated Lustron house (45,000 are planned for erection in 1949) built and equipped in porcelain-enamelled steel. Possibly the greatest discovery in recent times has been of the rôle of boron as a fertiliser in agriculture. Although the first commercial use for this purpose was in 1934, many thousands of tons of borax annually are today being used in most of the primary food-producing countries of the world. Still more recently, the use of borax and boric acid for salt-glazing stoneware pipes and conduits, and of borax for coating steel wire prior to lubricating and drawing, have shown promise as lines of development. Latest of all, boron is commanding attention for its possible app tions in atomic research and ne radiography.

Development Work

With all this expansion and dev ment Borax Consolidated, Ltd., has closely associated. The company, indeed, been largely responsible for remarkable growth of the borax indu and its research department and tech sales section continue to be constantly gaged in spreading the knowledge of b compounds and enlarging their app tions, the limit of which is far from ha been reached. In fact, at the age of the company is full of vigour, youth a determination to maintain the pace o previous progress.

JUBILEE CELEBRATION DINNER.—Direc and staff of Borax Consolidated, Ltd., at a din in London recently in celebration of the com tion by the company of fifty years' activity.

CORRESPONDENCE

Loofahs

R,—A series of letters to the editor ne "Manchester Guardian" regarding non-appearance of that "essential t article" the loofah may be respon- for a renewal of inquiries from cus- rs, particularly as one correspondent ests that loofahs can be supplied on uction of a doctor's note. The posi- is that the Board of Trade will issue ces only for the importation of loofahs e used for filtration purposes in sea- g vessels. No loofahs may be imported ther purposes at present.

L. A.

Cod-liver Oil Stocks

R,—You will no doubt have noticed he Sunday Press an announcement representative associations have de- d to circularise retailers suggesting they should avoid making unnecessary hases between now and the beginning April, in view of the possibility of a ction in purchase tax (which might be a serious matter for retailers ughout the country). We write to unnecessary inconvenience by giving minder that cod liver oil is not sub- to purchase tax—a fact some chemists looked last year. The result was that s were reduced to the lowest possible , and later, of course, every retailer asking for delivery at the same time. his was impossible, some members of public were unable to obtain supplies n appreciable period.

British Cod Liver Oils
ull. (Hull & Grimsby), Ltd.

Sorting Prescriptions

R,—The first month of sorting pre- tions under the new system comes to end. Has it proved to be "Bureau- y gone mad"? No; let us be fair. If latest system inflicted upon us were the lt of some official whim, it would be censure; but we must face the reali- of the situation, and, if we want fair uneration with promptness, make the of it. We cannot all cope with the ter as does Mr. C. H. Patrick (*C. & D.*, uary 15, p. 91). He is singularly fortu- ; his doctors sign every prescription always state the quantity required; never write "Rep. mist."; they do prescribe "2 tabs. ev. 4 hrs." without guidance as to what tablets they have mind; they do not write "Penicillin cream, q.s. for 14 days, lint, bandages" with the intent that the pharmacist shall question the patient and supply reasonable quantities; the patients do not carry their scripts in a pocket for two days, two weeks, or even four weeks, before handing them in; they do not hand over a slip of mauve paper with the advice that "the doctor's run out of the proper forms and says he'll send you the proper prescription in a day or two"; they do not collect in the pharmacy at 6.30 or 6.45 at night until there are eight or ten at a time, all waiting for prescriptions that are too urgent to be left overnight, with a harassed pharmacist flinging scripts, one by one as completed, on the desk or in a vacant spot on the dispensing counter, from where, later, they can be collected and sorted into two bundles (a) ready for the pricing bureau (b) to be held back for the doctor to amend or complete or sign (with any necessary notes to jog one's memory at the right time). In such circumstances, incidentally, how does one find time to refer to price lists if necessary, and note the cost price in the margin? Having finished poking fun, I would suggest that different situations produce different problems, and there is no one solution for all. For instance, I find that sorting into doctor order is almost an essential preliminary. It does not take long.

1,000 Single-handed.

N.H.S. Resolutions Rejected

Sir,—The Sheffield Pharmaceutical Committee considered the proposals made by the Ministry of Health relating to the rota notices and testing scheme, and made the following representations, which received the full support of the local Executive Council:—

1. That a plastic notice, printed in red and black on a white background, would be more satisfactory to patients, would be more professional in appearance, and would have a much longer life than a cardboard notice.

2. That, in the draft of the model testing scheme, the portion of Section 8, which states that the third analyst should have particulars of the two previous analyses, should be deleted.

The Ministry has rejected both suggestions, but the Committee considers them to be in the best interests of contractors, and that they should receive the attention of all other Pharmaceutical Committees.

Sheffield, 10. S. Durham, *Secretary*.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale qua ties of standard quality. Prices of crude drugs and essential oils vary as to brand or gr

28 Essex Street, W.C.2, Feb. 2

THE markets for PHARMACEUTICAL and FINE CHEMICALS continue steady with a moderate inquiry received from home and overseas buyers. Makers of ROCHELLE SALT have announced a decrease in prices of 20s. per cwt., reflecting the lower cost of argols. 5-cwt. lots from February 1 are quoted at 130s. per cwt., and 1-cwt. at 132s. 6d. Rates for SEIDLITZ POWDERS are also lower according to Rochelle salt content. As a result of a rise in the costs of production makers of PROCAINE HYDROCHLORIDE have increased their rates by 7s. 6d. per lb.; 7-lb. lots are now at 52s. per lb. A small trade in CRUDE DRUGS has been passing and prices for spot goods generally are unchanged. CASCARA SAGRADA and SENEGA are receiving little inquiry. Spot quotations for the latter drug are down to 7s. 6d. per lb. A fair inquiry is reported for BENZOIN and spot business has been done in Sumatra almondy block at 285s. per cwt. STYRAX on spot is now offering at 6s. 6d. to 6s. 9d. per lb. It is understood that BALSAM PERU on spot has been sold at 4s. 6d. per lb. but there is little if any available now at this price, most holders asking 4s. 11d. to 5s. per lb. BALSAM TOLU is easier at 11s. per lb., c.i.f.

There has been no demand of any consequence for ESSENTIAL OILS and buyers have been anticipating a fall in prices. As a result of the devaluation of the peseta (see *C. & D.*, January 22, p. 100) Spanish CADE and SPIKE LAVENDER are lower in price. Ceylon and Java CITRONELLA, however, continue firm and PALMAROSA is dearer in the forward market.

The managing committee of the Olive Oil Importers' Association is prepared to consider offers of OLIVE OIL for importation into the United Kingdom. The countries from which purchases may at present be made include Spain, France, the French Colonies, Algeria, Tunisia and Greece. Offers should be submitted to the secretaries at 65 Fenchurch St., London, E.C.3.

U.S. Drug and Chemical Report

New York, January 28

A FEATURE of the PHARMACEUTICAL and FINE CHEMICAL markets over the past week was a reduction in synthetic refined CAMPHOR prices—the first price change for twelve months. Powdered material, U.S.P., in 2,000-lb. lots, now costs 58 cents per lb., against 66 cents previously, and tablets in 2,000-lb. lots, 78 cents, against 83 cents previously. It is reported in the trade that fairly substantial quantities of natural powdered camphor are available for shipment from Japan with some shipping prices as low as 46 cents per lb., f.o.b. A recent increase in demand from abroad for PHONAMIDE PRODUCTS has resulted in s suppliers falling behind in meeting t other commitments. While some des in CRUDE DRUGS are finding it difficul maintain their price levels because very limited domestic demand, a good quiry from abroad is reported for s goods as SENEGA, LIQUORICE and DAMI Despite future price uncertainties, s goods as ERGOT, IPECACUANHA and RHUI are subject to some price shading bec of the lack of demand. The Food Drug Administration has rejected fur consignments of STRAMONIUM LEAVES.

Little inquiry is reported for MENT but new supplies of Chinese produce being offered in New York at 10 c below the previous inside price of $9 lb. The average bid price for the 2 flasks of Japanese MERCURY auctione New York last week was equivalent $83.25 per flask, duty paid. On the r ket the spot price for the metal is $9 $91 per flask. Trade in ESSENTIAL continues quiet. The increase in California LEMON OIL prices reported last w was due to higher wages and to trans tation, packing and other costs.

Exchange Rates on London

Bank of England fixed rates at the o ing on Wednesday morning were:—

Centre	Quoted	Rate
*Alexandria ...	Piastres to £	97¼—97
Amsterdam ...	Florins to £	10.68—10
*Bombay	Pence to rupees	1-5 15/16—1-
Brussels	Francs to £	176½—17
Copenhagen ...	Kroner to £	19.32—19
Dutch East Indies	Florins to £	10.68—10
*Hong Kong ...	Pence to $	1-2 15/16—1-
Lisbon	Escudos to £	99.80—10
Montreal	Dollars to £	4.02¾—4.
New York ...	Dollars to £	4.02¾—4.
Oslo	Kroner to £	19.08—20
†Paris	Francs to £	1,061—1
Rio de Janeiro ...	Cruz to £	75.44
*Singapore ...	Shillings to $	2-4—2-
Stockholm ...	Kronor to £	14.47—14
Zurich	Francs to £	17.34—17

* Free market rates
†Forward francs 1 fr. either side par.

Pharmaceutical Chemicals

ASPIRIN. — Home-trade prices are changed. Makers' quotation for POW is 3s. 5½d. per lb. in 10-cwt. lots and 3s. per lb. in 1-cwt. lots. Scheduled rates lb. for quantities of 28 lb. and under 1 c are: 4s. 6d. (1-lb. containers); 4s. (2-lb.); 4s. 4½d. (4-lb.); 4s. 3½d. (7-l 4s. 3d. (14-lb.); 4s. 2d. (28-lb.). Net month. Rates per 1,000 for bulk supp of TABLETS are: Under 5,000, 3s. 9

) and over, 3s. 7d.; 10,000, 3s. 6d.;)0, 3s. 4d.; 50,000, 3s. 3d.; 100,000, d.; 250,000, 3s. 1½d.; 500,000, 3s. 1d.;),000, 3s.

ORAX.—Makers' current prices are: quality, granulated, £38 per ton; tal, £39; powder, £39 10s. Commercial es £8 per ton less. Packed in 1-cwt. delivered carriage paid in Great Brit- in 1-ton lots and upwards. Terms ed do not apply to Northern Ireland.

ROMIDES.—Steady. Current resellers' per lb. for POTASSIUM in quantities lb. to 1 cwt. (containers in brackets) as follows: 3s. 5½d. (1-lb.), 3s. 4½d. .), 3s. 4d. (4-lb.), 3s. 3d. (7-lb.). ½d. (14-lb.), 3s. 1½d. (28-lb.). In bulk ers quote 1 cwt. at 2s. 7d. per lb. and t. at 2s. 6d. Powder is 2d. per lb. . SODIUM is 1½d. per lb. less than e rates; AMMONIUM is ½d. per lb. more above rates. Terms are net; carriage on 1-cwt. lots in U.K.

HEDRINE.—Makers' rates per oz. are llows:—ALKALOID: 1 oz., 11s. 9d.; 16 11s. 6d.; 25 oz., 11s. 3d.; 50 oz., 11s.; oz., 10s. 9d. HYDROCHLORIDE and HATE: 1 oz., 8s. 3d.; 16 oz., 8s.; 25 7s. 9d.; 50 oz., 7s. 6d.; 100 oz., 7s. 3d. rted contracts may be booked for quan- of not less than 100 oz. over six ths. Containers: 50 oz., or more, free. z. lots, carriage paid.

THER.—Makers' prices per lb. are: ESTHETIC, 1 cwt., 2s. 10d.; 72 lb., 11½d. B.P., 5 cwt., 2s. 1½d.; less, ½d. TECHNICAL, 1½d. per lb. less than The foregoing rates are for ether ed in winchesters. In 1-lb. bottles s are 2½d. per lb. more.

OMATROPINE.—Makers' prices per oz. as follows (prices per gm. in brackets): ALOID.—1 oz., 97s. 6d.; 4 oz., 92s. 6d. z., 87s. 6d. (4s.). HYDROCHLORIDE, ROBROMIDE and SULPHATE.—1 oz., 75s.; , 70s.; 16 oz., 65s. (3s. 2d.).

THAMMOL, B.P.—Supplies in drums are ed from 3s. to 3s. 6d. and upwards; 8-lb. tins, 3s. 1d. to 3s. 3d.; in 1-lb. 4s. to 4s. 3d. per lb., as to seller.

LOCARPINE.—Makers' prices are un- ged. Rates per oz. are: ALKALOID.— ., 36s. 9d.; 4 oz., 35s. 3d.; 25 oz., 34s. ROCHLORIDE.—1 oz., 34s. 9d.; 4 oz., 3d.; 25 oz., 32s. NITRATE.—1 oz., 3d.; 4 oz., 31s. 9d.; 25 oz., 30s. 6d.

ROCAINE HYDROCHLORIDE.—Prices are er by 7s. 6d. per lb. from February 1. tations range from 50s. to 55s. per lb., o quantity.

OCHELLE SALT.—Prices are reduced by per cwt. from February 1. Current s per cwt. for powder are: 1 cwt., . 6d.; 5 cwt., 130s. SEIDLITZ POWDER, uary is now 103s. 9d. per cwt.; extra ng, 111s. 6d.; double strength, 116s.

Crude Drugs

AGAR.—Steady. Kobé No. 1 strip on spot is quoted at 16s. 6d. to 17s. per lb.; other grades of Japanese strip are offered at from 14s. 6d. per lb., duty paid. South African powder, in tins in cases, quoted at 20s. per lb., spot.

ALOES.—Prime Cape on spot is offered at 110s. to 115s. per cwt.; shipment, 101s. 6d. Curaçao is offered at from 185s. to 210s. per cwt., as to quality. Socotrine, 160s. to 180s. per cwt., spot.

ARNICA.—Flowers on spot are offered at prices from 1s. 9d. to 2s. 3d. per lb.

ASAFETIDA.—Persian block on spot is steady at from £14 10s. to £24 per cwt., according to grade.

BALSAMS.—*Canada*, 19s. per lb., spot. Pará *Copaiba* (soluble), 4s. 9d. to 5s. per lb., spot. San Salvador, *Peru*, 4s. 11d. per lb., duty paid. *Tolu*, 13s. 6d. per lb., spot; goods afloat, 12s. to 12s. 6d. per lb., the forward market is tending easier.

BELLADONNA.—Yugoslav root is quoted at from 4s. 3d. to 4s. 9d. per lb., duty paid, as to test; English leaves are offering at from 4s. 9d. (0.546 per cent.) per lb.

BENZOIN.—Sumatra block on spot is from £12 to £15 per cwt., as to quality; Sumatra almonds, £45. Siam free almonds, spot, £120 per cwt.

CALABAR BEANS.—Steady. Spot quotations are from 10½d. to 11d. per lb.

CALUMBA.—Spot supplies are offering at about 77s. 6d. per cwt.

CAMPHOR.—Chinese tablets are offered at from 7s. 6d. (½-oz.) to 8s. 6d. (¼-oz.): refined natural powder (B.P.), 6s. 9d.; B.B. grade, 6s. 3d.; slabs (2½-lb.), 7s. 3d.; crude powder, 6s. per lb., all spot London, duty paid. English synthetic powder, B.P., is quoted at 5s. per lb. in 100-lb. lots.

CASCARA SAGRADA.—Quiet. 1946 and 1947 peel is offering at 195s. to 200s. per cwt.; 1948, 190s. per cwt., duty paid.

CASCARILLA. — Quills are offering at 1s. 5d. and siftings about 1s. 3d. per lb., spot. An easier market.

CASSIA PODS (*C. fistula*).—Prices of East Indian are around 65s. per cwt., ex wharf.

CHAMOMILE FLOWERS.—Small supplies are available at about 3s. 11d. per lb.

CHAULMOOGRA.—Spot supplies of *Hydnocarpus* are available at 1s. 9d. per lb.

CHILLIES.—Quiet. Sellers of Mombasa on spot at 125s. per cwt.; Zanzibar, 135s.; Japanese-type, 160s.

CINNAMON.—Steady. Spot quotations for 0000 are at from 2s. 7d. per lb.; quillings are offered at 1s. 4d., featherings at 1s. 3d. and chips at 6d. per lb.

CLOVES.—Zanzibar, spot, quoted at 1s. per lb.; shipment, 1s. 1d., c.i.f. Madagascar, spot, in bond, 10½d.; shipment, 10d., c.i.f. Penang, spot, 3s. per lb.

COCHINEAL.—Quiet. Silver greys, steady at 4s. 3d. per lb., spot; for black on spot, 5s. 3d. per lb. now asked.

ERGOT.—Portuguese sound material on spot is offered at 5s. 3 l. per lb.; shipment quotations are at 4s. 9d., c.i.f.

FRANGULA.—Bark is offered at from 170s. to 190s. per cwt., as to holder.

GALANGAL.—Supplies in bond are offering at 97s. 6d. per cwt.

GALLS.—Stea ly. Persian blues quoted on spot at 260s. per cwt.

GAMBOGE.—Siam pipe on the spot is offered at £50 per cwt., duty paid.

GENTIAN.—French natural on the spot is offered at 60s. per cwt.; s.iced root, 75s. per cwt.

GINGER.—African on spot is quoted at 87s. 6d. per cwt.; new-crop, March-April shipment, 70s. per cwt., c.i.f. Jamaican No. 1 quoted at 135s.; No. 2, 127s. 6d.; No. 3, 122s. 6d. per cwt., spot.

GUM ACACIA.—Steady. Kordofan cleaned sorts on the spot are offering at 65s. per cwt.; shipment, 59s., c.i.f. Bleached No. 1, 125s., spot; shipment, 115s., c.i.f. Talha on spot, 45s. per cwt.; forward, 40s., c.i.f.

GUAIACUM RESIN.—Steady. Prices are from 2s. 4½d. to 2s. 6d. per lb., spot.

KOLA NUTS. — African quarters are offered at about 6d. per lb.; halves from 2d. to 2½d. Jamaican washed halves are quoted at 3d. per lb.

MACE.—West Indian blade on the spot is quoted at 6s. 9d.; pickings, 4s. 6d. to 6s. per lb., according to quality.

MENTHOL.—Brazil material on spot is at 42s. 6d. per lb., duty paid; in bond, 41s. 6d.; April-May, 37s. 6d., c.i.f.

MYRRH.—Steady. Aden sorts, £12 per cwt.; siftings, £6 10s. to £7 per cwt., spot.

NUTMEG.—Steady. West Indian 80's on the spot, 3s.; sound unassorted, 2s. 10d.; wormy and broken, 1s. 8d. per lb.

OLIBANUM.—Steady. Fair drop is offered at 150s., peas at 190s., fair garblings, 125s., an l siftings at 80s. per cwt., spot.

ORRIS.—Florentine root on the spot is offered at 125s. per cwt.; Verona root, spot, 105s. per cwt. quoted.

PODOPHYLLUM.—Steady. American (*peltatum*), spot London, 280s. per cwt. Indian (*emodi*) from 305s. to 315s., spot; forward, 290s. per cwt., c.i.f.

PSYLLIUM SEED.—French black is quoted at 2s. per lb., duty paid; Indian (ispaghula), 120s. per cwt., spot.

RHUBARB.—Firm. Chinese rough round on spot is quoted at about 5s. per lb., duty paid, for first-quality root; afloat, 4s. 6d., c.i.f. No. 2 grade, 3s. 6d. per lb., spot; wormy material 2s. 9d. to 3s.

SENEGA.—A weak market. Spot prices are at 7s. 6d. per lb.

SENNA.—Steady. Tinnevelly leaves, s No. 1, 9d. to 10d. per lb.; No. 2, 7d 7½d.; No. 3, 4¾d. to 5¼d.; Tinnevelly p hand-picked, 8½d. to 1s. 4d.; manufac ing, 4¼d. to 5d. Alexandrian po ls, ha picked, spot, from 4s. 9d. to 5s. 9d., acc ing to quality and seller; medium, 2s. 9 manufacturing, from 1s. to 1s. 9d. per Alex ndrian leaves, f.a.q., 1s. 2d.

SHELLAC.—An easier market. F.O.T pure, 337s. 6 l.; F.O. Standard 1, 357s. (fine orange, 375s. to 415s. per cwt., all London warehouse.

STYRAX.—Quiet Supplies are offered 6s. 6d. to 6s. 9d. per lb., duty paid.

TRAGACANTH.—Steady. Selecte l wh £90 per cwt.; other white grades, from to £85; pale leaf, £35 to £40; amber, to £27; red, £14; hoggy, about £10 10s

TURMERIC.—Madras finger is quoted 115s. per cwt., spot; new-crop, Ma April, 90s., c.i.f.; April-May, 87s. c.i.f.

Essential and Expressed Oils

ANISE.—Chinese star, in drums, quo at 5s. per lb., with about 5s. 6d. per lb. tins in cases; near afloat, 4s. 9d., c.i for shipment, 4s. 7½d., c.i.f.

CADE.—Easier. Spanish oil, B.P., on s is offered at from 3s. to 3s. 3d. per lb., as quantity.

CITRONELLA.—Ceylon is quoted at fr 3s. 11d. to 4s. per lb., spot; forward, 3s. c.i.f. Java, scarce on spot, is quoted 8s. per lb.; prompt shipment, ex Holla 7s 3d., c.i.f.; from origin, 7s. 4½d. 7s. 6 l., c.i.f., quoted.

GERANIUM.—Bourbon on spot is at fr 45s. to 50s. per lb., as to grade; shipm offers are at about 45s., c.i.f. African, 6 per lb., spot.

LAVENDER.—French, 38-40 per cent., spot, is quoted at from 14s. to 16s. per l 40-42 per cent., 15s. 6d. to 18s. Span spike is cheaper at 7s. 6 l. per lb., spot.

LEMONGRASS.—Spot quotations are 6s. 10d. to 7s. per lb.; 6s. 9d., c.i.f.

OLIVE.—Prices are unchanged. Suppl of oil from members of the Importe Association are made at the rate of 26s. per gall. of 9 lb., ex store, drums inclu l Additional charges are added for sm quantities, according to costs of breaki bulk, containers, delivery, etc.

PALMAROSA.—Quoted on spot at 32s. p lb.; the forward market is harder w shipment quotations at 27s. 9d., c.i.f.

PATCHOULI.—Singapore on the spot quote l at from 27s. to 30s. per lb.; shi ment offers are at 23s., c.i.f.

ROSEMARY.—Spanish is offered at 6s. (to 8s. per lb., as to quantity and quality

SASSAFRAS.—Brazil on spot is quoted from 4s. to 5s. per lb.

STOCK EXCHANGE PRICES

Quotations are the average for the days stated.

£1 unit unless otherwise stated	Dec. 31 1948	Jan. 28 1949
	s. d.	s. d.
bright & Wilson, ord., 5s. ...	31 0	31 0
en & Hanburys, prefd. ord. % cum.	32 6	32 6
ber Chemical, ord., 2s. ...	9 3	9 6
ber Chemical, 5% cum. pref.	25 0	25 0
otts Pharmacies, ord. stock, 5s.	8 9	8 0
ro, ord. stock, 5s.	28 9	28 9
cham Group, defd., 2s. 6d. ...	17 7½	17 9
cham Maclean Holdings 4% ed. cum. pref.	21 10½	21 10½
ke, Roberts, ord., 5s. ...	31 3	31 3
ts (Eastern) "A" pfd. 6% cum.	31 0	31 0
ts (Northern) "A" pfd.6%cum.	31 0	31 0
ts (Western) "A" pfd. ord. 7% non-cum.)	37 3	37 3
ts Pure Drug, ord., 5s. ...	56 0	57 0
ax Consold., defd. ord. stock	63 6	63 9
tish Alkaloids, ord., 1s. ...	7 0	6 6
tish Chemicals & Biologicals, % cum. red. pref.	22 0	22 0
tish Drug Houses, ord., 5s. ...	9 0	8 6
tish Emulsifiers, 2s.	1 0	1 0
tish Glues & Chemic., ord., 4s.	21 6	23 0
tish Industrial Plastics, ord., 2s.	6 9	7 0
tish Optical & Prec. Eng.. 5%	96%	96%
tish Oxygen Co., ord. stock ...	102 6	102 6
tish Xylonite Co., ord. stock	115 0	120 0
t, Boulton & Haywood, ord.	28 9	28 9
h (W. J.), & Co., ord. ...	82 6	82 6
nwal, ord.	21 3	21 3
per, McD. & Robertson, ord.	36 10½	36 10
y & Gate, ord. stock, 1s. ...	2 9¾	2 9¾
v, P. B., & Co., ord. stock, 4s.	14 10½	14 3
sfield, J., & Sons, 5% cum. re-pref.	26 3	26 3
sons Sons & Co., ord stock, 2s.	17 6	18 0
illers, ord. stock, 4s.	29 3	29 1½
arry Perfumery Co., ord., 1s.	4 7½	4 10½
alop Rubber Co., ord. stock ...	76 0	76 6
rgen Foods Co., ord., 2s. ...	9 3	9 3
Proprietaries, 5½% cum. pref.	26 3	25 0
ryl, stock, 2s.	4 9	4 9
ns Medical Supplies, ord. stock	40 0	43 1½
d, J. C. & J., ord., 10s. ...	28 9	30 0
ns, ord. stock	59 0	59 0
ns, 4½% cum. pref.	24 0	24 3
oway, P. H., ord., 2s. ...	4 9	4 9
ette Safety Razor Co. shares no par value)	$52.00	$51.50
ko Laboratories, ord. stock, 10s.	430 0	450 0
ko Laboratories, 8% cum. efd. ord. stock, 10s.	20 3¾	20 3¾
sage, W., & Sons, 5% 1st. m. pref.	26 3	26 3
eff-Chemicals Holdgs., ord., 5s.	14 9	14 6
iths Hughes Proprietaries, ord.	28 9	28 9
erman, S., ord. stock, 2s. ...	3 0	3 0
npshire, F. W., stock, 5s. ...	80 0	80 0
licks, stock, 5s.	28 9	29 4½
enden, R., & Sons, 7% cum. A" pref.	26 3	26 3

£1 unit unless otherwise stated	Dec 31 1948	Jan 28 1949
	s. d.	s. d.
Idris, "A" ord.	38 9	39 9
Ilford, ord. stock, 5s.	28 9	9 4½
Imperial Chemical Industries, ord.	49 3	48 9
Imperial Chemical Industries, cum. pref. stock	37 3	36 9
International Sponge Importers, ord. stock, 5s.	5 1½	5 3
Kent, G. B., & Sons, 5% cum. ptpg. pref., 12s. 6d.	15 0	15 0
Kershaw, A., & Sons, ord., 1s. ...	1 4½	1 4½
Kleeman, O. & M., ord. stock, 1s.	22 0	23 6
Laporte Chemicals, ord. stock ...	21 3	21 3
Lever Brothers & Unilever, ord.	50 0	5 0
Lewis & Burrows, ord. stock ...	30 0	30 0
Lewis & Peat, ord., 1s.	1 0	1 9
Liebig's Extract of Meat, ord., £5	300 0	290 0
Macleans, 4% red. cum. pref. ...	20 0	21 3
Mellin's Food, 6% cum. pref. ...	7 6	7 6
Milton Antiseptic, ord., 10s. ...	25 0	20 0
Mono Containers, 5s.	17 2¼	17 9¾
Monsanto Chemicals, ord., 5s. ...	62 6	62 6
Pears, A. & F., 5% deb. stock, irred.	132%	132%
Potter & Clarke, ord., 1s. ...	4 3	4 3
Reckitt & Sons, ord. stock ...	112 6	115 0
Rolls Razor, prefd. ord., 10s. ...	22 6	22 6
Sangers, ord. stock, 5s.	34 0	34 9
"Sanitas" Trust, ord., 10s. ...	26 3	26 3
Savory & Moore, 5½% 1st red. cum. pref. stock	23 5¼	22 9¾
Sherley, A. F., & Co., 8% cum. prefd. ord.	22 6	22 6
Smith & Nephew Associated Cos., ord., 4s.	19 0	19 0
South African Druggists, ord., 5s.	22 0	16 0
Southalls (Birmingham), stock, 5s.	41 3	43 9
Sternol, 8% cum. ptpg. prefd. ord., 10s.	15 7½	15 7½
Stevenson & Howell, ord. stock, 5s.	25 0	25 0
Taylors, Cash Chemists, London, 6% cum. pref.	29 4½	29 4½
Taylors, Cash Chemists, Trust, 6% cum. pref.	29 4	29 4½
Taylors Drug Co., 7% "A" cum. pref.	32 6	32 6
United Glass Bottle, ord. stock ...	80 0	77 6
Veno Drug Co., 12% cum. prefd. ord.	40 0	40 0
Virol, ord.	72 6	72 6
Viscose Development Co., ord. stock, 5s.	10 6	10 6
Vitamins, 1s.	4 10½	4 10½
Wesley, Harold, 5s.	16 3	16 10½
Whites (Timothy) & Taylors, ord., 5s	40 0	40 0
Whites (Timothy) & Taylors, 7½% cum. pref.	38 9	38 9
Wright, Layman & Umney, 7% cum pref.	31 3	31 3
Yardley & Co., ord., 4s.	57 6	57 6
Yardley & Co., "A" ord., 4s. ...	57 6	57 6

COMING EVENTS

Monday, February 7

BIRMINGHAM BRANCH, PHARMACEUTICAL SOCIETY, Grand Hotel, Birmingham, at 8 p.m. Mr. E. W. Tapley, M.R.C.S., L.R.C.P., M.P.S., on "Antihistamine Drugs."

IRISH PHARMACEUTICAL STUDENTS' ASSOCIATION, 67 Lower Mount Street, Dublin, at 8.15 p.m. Mr. J. T. Marsh, M.P.S., on "A General Review of Penicillin."

ROMFORD BRANCH, PHARMACEUTICAL SOCIETY, Market Room, Golden Lion Hotel, Romford, at 7.30 p.m. Mr. G. C. Brander, B.Sc., M.R.C.V.S., on "The Application of New Chemical Products to Livestock Problems."

WEST KENT BRANCH, PHARMACEUTICAL SOCIETY, Central Library Hall, Beckenham, at 8 p.m. Debate: "That Health Centres are a Menace to Retail Pharmacy."

Tuesday, February 8

HOUNSLOW BRANCH, PHARMACEUTICAL SOCIETY, Sun Hotel, Hanworth Road, Hounslow, at 8 p.m. Mr. Charles Beaven, Ph.C., A.R.I.C., on "Modern Conceptions of Drug Action."

NOTTINGHAM BRANCH, PHARMACEUTICAL SOCIETY, 64 St. James' Street, Nottingham, at 7.15 p.m. Mr. W. C. Boswell on "Random Recollections."

SOUTH-EAST LONDON CHEMISTS' ASSOCIATION, Grove Tavern, 26 Camberwell Grove, London, S.E.5, at 7.30 p.m. Film show: "Take Thou" (Evans Medical Supplies, Ltd.).

Wednesday, February 9

BLACKPOOL BRANCH (JUNIOR SECTION), PHARMACEUTICAL SOCIETY. Visit to James Woolley, Sons & Co., Ltd., Manchester. Coach leaves Blackhurst's, Albert Road, Blackpool, at 1.30 p.m., returning from Manchester at 8.15 p.m.; cost, 10s. each.

BRIGHTON AND HOVE ASSOCIATION OF PHARMACY, Dudley Hotel. Hove, 5.30 p.m. for 6 p.m. Annual dinner and dance.

Thursday, February 10

BRISTOL BRANCH, PHARMACEUTICAL SOCIETY, Board Room, Bristol Chamber of Commerce, Guildhall, Small Street, Bristol, at 7.15 p.m. Dr. Ungar on "Immunology" (illustrated).

READING BRANCHES, PHARMACEUTICAL SOCIETY and NATIONAL PHARMACEUTICAL UNION, Abbey Gateway, Reading, at 7.30 p.m. Address by Mr. G. A. Mallinson.

ROMFORD BRANCH, PHARMACEUTICAL SOCIETY, King's Hall, King's Head Hotel, Romford, at 7.30 p.m. Dance tickets 3s. 6d. each from Mr. K. F. Moorey, 91 Park Drive, Upminster.

SOMERSET BRANCHES, PHARMACEUTICAL SOCIETY and NATIONAL PHARMACEUTICAL UNION, Castle Hotel, Taunton, at 6.30 p.m. Mr. R. H. Kemp (local organisation officer, N.P.U.) on "The Problem of Proprietary Medicines."

LONDON PHARMACISTS' BRANCH, ASSOCIATION OF SCIENTIFIC WORKERS, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Film on neuro-psychiatry.

BRISTOL SECTION, CHEMICAL SOCIETY, Chemistry Department, Bristol University, at 7 p.m. Dr. A. S. C. Lawrence on "The Stability of Emulsions."

Friday, February 11

BIRKENHEAD AND WIRRAL PHARMACISTS' ASSOCIATION, Central Hotel, Birkenhead, at 7.45 p.m. Mr. Ronald Edwards, F.R.C.S., presenting films on heart, lung and throat surgery.

Monday, February 14

SOUTHAMPTON BRANCH, PHARMACEUTICAL SOCIET Polygon Hotel, Southampton, at 7.30 p.m. M G. A. Stephens on "Some of the More Recen Introduced Medicaments."

ABERDEEN PHARMACEUTICAL ASSOCIATION is ho ing its annual dinner and dance at the Caledoni Hotel, Aberdeen on March 2. Tickets 13s. 6d. ea

CHELSEA POLYTECHNIC PHARMACY ASSOCIATION holding a dance for past and present students Chelsea Polytechnic School of Pharmacy, at Caxt Hall, Westminster, London, S.W.1, on Wednesd February 23. Tickets (10s. 6d. each includi buffet) from Reunion Organisers, Chelsea Po technic, Manresa Road, Chelsea, London, S.W

NORTH STAFFORDSHIRE BRANCH, PHARMACEUTIC SOCIETY, is holding its annual dinner and dar at King's Hall, Stoke-on-Trent, on Thursd March 3, 6.30 for 7 p.m. Tickets 22s. 6d. ea from Mr. H. E. Denby, 4 Watlands View, Porth Stoke-on-Trent.

NORTHUMBERLAND AND DURHAM CHEMISTS' GO ING SOCIETY is holding a dinner, prize presentati and social evening at the Crown Hotel, Newcast on Wednesday, February 23.

TRADE MARKS

(From the "Trade Marks Journal," January

"BALLERINA"; by Coty, Inc., New York; 649,4 "KAY DAUMIT" in distinctive lettering; Kay Daumit, Inc., Chicago; 658,794. "JANEK by Louis Giorda, Plateau d'Assy; 659,9 "KOMOL 'SAN PARA'"; in distinctive lett ing; by Oscar Sutterlin, Paris; 664,7 "D'AVRILENE"; by Stecklyns (Fittings), Lt London, W.1; 664,987. "HILBERTAL"; by Hilbert & Co., Ltd., Isleworth; 665,8 "ELLE-LUI"; by R. Demuth, Ltd., Londo N.W.6; 667,574. "LUPROSIA"; by Lucia P ducts, Manchester; 668,725. For non-medica toilet preparations (3).

"CARDENYL"; by Ana Laboratories, Ltd., Alp ton; 663 451. "SPONGELA"; by Roussel Labo tories, Ltd., London, W.1; 664,128. Silhoue of moon and star; by H. H. & S. Budgett Co., Ltd., Bristol; 666,091. "LEVIMAG"; Kaylene, Ltd., London, N.W.2; B666,3 "KAOTEX"; by J. L. Bragg, Ltd., Londo N.11; 666,863. "BORMYLENE"; by Les Labo toires Français de Chimiothèrapie, Par 666,877. "BIOCYLLE"; by Tokalon, Ltd., L don, W.1; 667,090. "VERSONAN," "AYUDO and "MIGRATHOL"; by Imperial Chemi (Pharmaceuticals), Ltd., Slough; 668,1 668,192 and 668,187. For pharmaceutical p parations (5).

"MELTINA"; by Marshall's Food Products, Lt Croydon; 667,209. For infants' and invali foods (5).

"RECURAGEN" and "TREVACOL"; by Imper Chemical (Pharmaceuticals), Ltd., Slou 668,454 and 668,577. "FECOPRIN"; by Ayrt Saunders & Co., Ltd., Liverpool; 668,736. F all goods (5).

"MEOPTA" and device of arrows and lens; Meopta, Spojené Závody Pro Jemou Mechani a Optiku, Národní Podnik, Prerov; 665,503- For photographic, scientific and optical appa tus (9).

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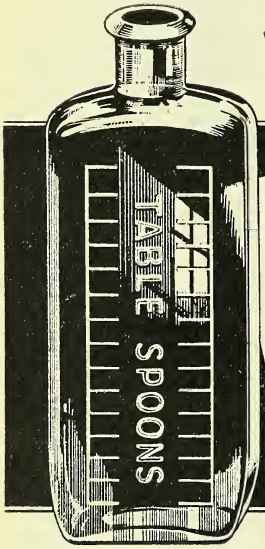

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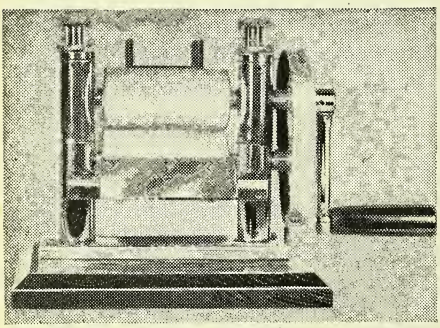

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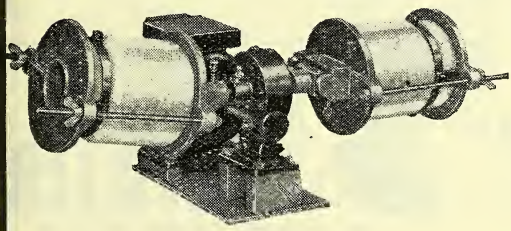

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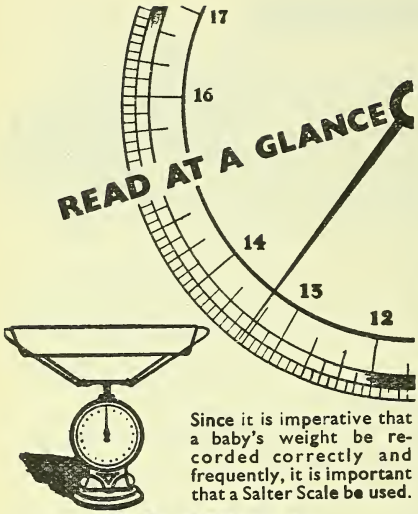

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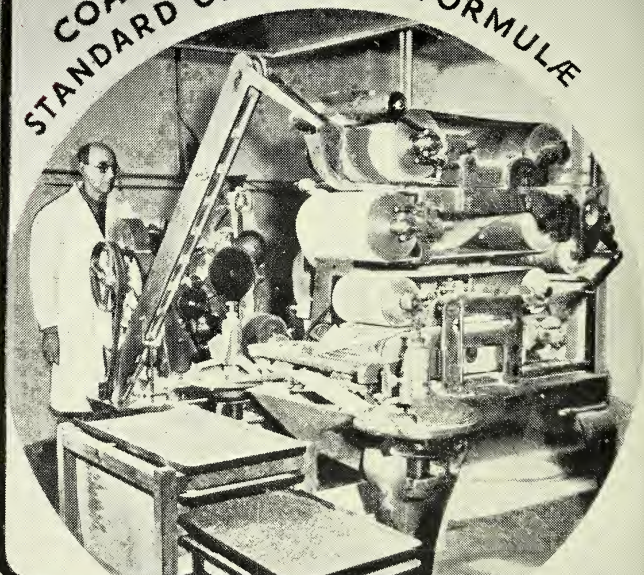

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